# DEPARTMENT OF THE NAVY FY 1998/1999 BUDGET ESTIMATES



# JUSTIFICATION OF ESTIMATES

# OTHER PROCUREMENT, NAVY BUDGET ACTIVITY 3

FEBRUARY 1997

### UNCLASSIFIED

# EXHIBIT P-1 DEPARTMENT OF THE NAVY

FY 1998/FY 1999 PROCUREMENT PROGRAMS

APPROPRIATION: 1810N Other Procurement, Navy

DATE: 02/04/97

		DOLLARS						ILLIONS OF E	
	IDENT	FY 1998 FY 19	96	FY 19	997	FY 19	998	FY 19	999
LINE NO ITEM NOMENCLATURE	CODE	UNIT COST QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
BUDGET ACTIVITY 03: Aviation Support Equipment									<u> </u>
Sonobuoys									
124 4005 AN/SSQ-36 (BT)	Α		0.	2	0.9	)	1.4	4	1.4 U
125 4025 AN/SSQ-53 (DIFAR)	Α		-		15.7	•	28.4	4	26.4 U
126 4032 AN/SSQ-62 (DICASS)	Α		4.	0	31.2	<u>.</u>	24.3	3	25.8 U
127 4036 AN/SSQ-101 (ADAR)	В		-		-		-		22.6 U
128 4038 AN/SSQ-110	Α		21.	4	35.2	<u>.</u>	-		14.9 U
129 4045 Signal, Underwater Sound (SUS	Α		-		1.1		0.	7	1.3 U
Aircraft Support Equipment									
130 4204 Weapons Range Support Equipme	Α		47.	2	27.1		4.9	9	15.7 U
131 4208 Expeditionary Airfields	Α		5.	8	1.5	;	1.3	3	5.1 U
132 4214 Aircraft Rearming Equipment	Α		7.	5	9.1		10.4	4	13.2 U
133 4216 Aircraft Launch & Recovery Eq	Α		16.	5	28.2		29.0	6	39.3 U
134 4218 PREDATOR UAV (DARP)			-		5.6	;	-		- U
135 4220 PIONEER UAV (DARP)			-		25.0	)	-		- U
136 4226 Meteorological Equipment	Α		19.	7	16.7	•	17.8	3	23.9 U
137 4242 Other Photographic Equipment	Α		0.	7	0.7	•	0.8	3	1.0 U
138 4244 Aviation Life Support	Α		15.	2	13.5	;	15.3	3	27.8 U
139 4248 Airborne Mine Countermeasures	Α		22.	7	13.2	!	20.2	2	28.0 U
140 4255 LAMPS MK III Shipboard Equipm	Α		16.	1	14.9	)	5.8	3	- U
141 4256 REWSON Photographic Equipment	Α		0.	6	0.9	)	0.	7	1.3 U
142 4259 Stock Surveillance Equipment	Α		1.	5	1.6	;	1.0	6	1.8 U
143 4265 Other Aviation Support Equipm	Α		13.	0	7.7	•	6.2	2	6.4 U
144 4271 Safety & Survivability Items			0.	1	-		-		- U
TOTAL Aviation Support Equipment			192.	1	249.8	1	169.3	3	255.9

	BUD	GET ITEM J	JSTIFICATIO	N SHEET			DATE:	
			P-40				FEB	1997
APPROPRIATION/BL	JDGET ACTIVITY				P-1 ITEM NOM	IENCLATURE	P-1 #	
Other Procurem	ent, Navy				AN	I/SSQ-36 (B	T) SONOBU	OY
<b>B.A.3 - Aviation</b>	<b>Support Equip</b>	oment			PEO(A) PR	OGRAM	NARM # 40	0500
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST								
(In Millions)	\$0.2	<b>\$0.9</b>	\$1.4	\$1.4	\$1.4	\$1.4	<b>\$0.9</b>	<b>\$0.9</b>

The AN/SSQ-36 is an air-dropped bathythermograph transmitting set that is used to provide a vertical temperature profile of the ocean with respect to depth. The data is transmitted to the ASW aircraft to assist in the selection of hydrophone depths and tactics in the localizing and tracking of submarines. The information on ambient water conditions is also used for long forecasts of acoustic conditions in the ocean.

The FY 96 contract has been awarded to Sparton for a quantity of 669 AN/SSQ-36B's.

The FY 97 program provides for 4,100 AN/SSQ-36B's to be competed among qualified manufacturers.

The FY 98 program provides for 6,473 AN/SSQ-36B's to be competed among qualified manufacturers.

The FY 99 program provides for 6,287 AN/SSQ-36'Bs to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY 96 FY 97 FY 98 FY 99 FY 00 FY 01 FY 02 FY 03 27 42 55 55 0 56 36 37

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 124 PAGE NO. 1

		WEAF	PONS S		COST ANALYS	SIS				DATE:	
Other F	PRIATION/BUDGET ACTIVITY  Procurement, Navy			P-	P-1 ITEM NOMENO		NAF	P-1 #		SUBHE	EB 1997 EAD: U3QG
B.A.3 -	<b>Aviation Support Equipment</b>						•	•	IOBUOY - PEO	(A) PR	OGRAM
						TOTAL C	OST IN THOUSAN	DS OF D	OLLARS		
COST CODE	ELEMENT OF COST		IDENT CODE		FY 1996		FY 1997		FY 1998		FY 1999
				QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
QG001	AN/SSQ-36 w/SLC*		Α		171		803		1,246		1,239
	DELIVERED TO FLEET			655		3,977		6,272		6,092	
	LOT ACCEPTANCE BUOYS			14		123		201		195	
QG830	PRODUCTION ENGINEERING				14		50		75		7-
QG860	ACCEPTANCE TESTING				13		53		81		8
		TOTA	L	669	198	4,100	906	6,473	1,402	6,287	1,394
	*SONOBUOY LAUNCH CONTAINER										
	Л 2446. JUN 86		P-1 SHO		107				CLASSIFICATION:		

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

#### CLASSIFICATION:

## **UNCLASSIFIED**

	BUDGET PROCUREM	IENT HISTORY	AND PLANNII	NG EXHIE	BIT (P-5A)				A. DATE	В 1997
B. APPROPRIATION/BUDGE Other Procurement, N B.A.3 - Aviation Supp	lavy			PEO (A)	PROGRA 1-36 (BT)		ŊΥ	SUBHEAD	U3QG	
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY 96										
AN/SSQ-36 w/SLC	SPARTON, FLA.	C/FFP	NAWC IN	5/96	5/97	669	\$255.26	YES	NO	
FY 97										
AN/SSQ-36 W/SLC	NOT SELECTED	C/FFP	NSWC CRANE	1/97	10/97	4,100	\$200.00	YES	NO	
FY 98										
AN/SSQ-36 w/SLC	NOT SELECTED	C/FFP	NSWC CRANE	12/97	10/98	6,473	\$192.56	YES	NO	
FY 99										
AN/SSQ-36 w/SLC	NOT SELECTED	C/FFP	NSWC CRANE	12/98	10/99	6,287	\$197.13	YES	NO	
D. REMARKS										

DD Form 2446-1, JUL 87 ITEM NO. 124 PAGE NO. 3 CLASSIFICATION:

FY 1998/99 BUDGET PRO	DUC	TION	SCHED	ULE	P-1 IT	EM N	OMEN	CLAT	JRE											DATE	=								$\neg$
						SO	NOI	BUC	YS	(AN	/SS	Q-3	6)	PEC	)(A) P	RO	OGF	RAN	1					FE	B 1	997			
ITEM / MANUFACTURER/			ACCEP.	BAL.					FISC	AL Y	EAR ·	1997									FISCA	AL YE	AR 19	998					
PROCUREMENT YEAR	S	PROC.	PRIOR	DUE						CAL	END	AR YE	EAR 1	997			1	997				CAI	LEND	AR YE	AR 1	998			L
	E	QTY	TO 1	AS	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	A T
	R V		OCT	OF 1 OCT	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L		E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
FY 94							_																						
QG 001 AN/SSQ-36B - HERMES		5.1		5.1									2.4	2.7															
QG 001 AN/SSQ-36B - SPARTON		1.3		1.3								0.3	0.3		0.2	.2													
FY 95																													
QG 001 AN/SSQ-36B - HERMES		12.0		12.0				0.7	0.7	2.5	2.5	2.5	3.1																
FY 96																													
QG 001 AN/SSQ-36B - SPARTON		0.7		0.7								0.2	0.2	0.1	0.1	.1													
FY 97																													
QG 001 AN/SSQ-36B - NOT SELECTED		4.1		4.1													0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
FY 98																													
QG 001 AN/SSQ-36B - NOT SELECTED		6.5		6.5															Α										6.5
FY 99																													
QG 001 AN/SSQ-36B - NOT SELECTED		6.3		6.3																									6.3
TOTAL	0	36	0	36	0	0	0	0.7	0.7	2.5	2.5	3	6	3.1	0.3 0	.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	13
					O C T	N O V	D E C	J A N	F E R	M A R	A P R	M A Y	J	n N	U	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A V	N U	J U	A U G	S E P	
		DUCTION	RATES	RCH'D		V	Ü				PR	OCUF	REME	NT LE	AD TIME			v	Ŭ				REM	IARKS					$\neg$
MANUFACTURER'S NAME AND LOCATION	MINIMUM SUST.	1-8-5	MAXIMUM	D +								AD	MIN	LEAD	TIME			MAN			тот	ΓAL	FY 9	5 PRC	OC LA	T (352	!)		
												PI 1 OC	RIOR		AFTI	ĒR	F	TIME	RING		AFTER				OC LA	. ,	n.		
HERMES CANADA	250	12.0	12.0	7								1 00	1		1 OCT	+		IIIVIE			1 00				OC LAT				
SPARTON FLA	250	12.0	12.0**	7	INITIAL	-									3		9				1	12	FY 9	9 PRC	OC LA	T (195	5)		
*SEE REMARKS ON NEXT PAGE					REORE	DER (Pre	evious S	ource)															LAT	DONE	MON	ITHLY			

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO 124 PAGE 4 Exhibit P-21 Production Schedule

FY 1998/99 BUD	GF	T P	PRO	ווח	СТ	IOI	J S	CHE	וח:	JI F	:		P-1 I	TEM N	OMEN	ICLAT	URE											DATE	=								$\neg$
11 1000,00 202	<b>-</b>	•		,,,,	•		• •	J			-		S	ON	ЭΒι	JOY	<b>/S</b> (	AN/	/SS	Q-3	6B)	- P	EO(	(A) P	RO	GR/	ΔM					FE	B 1	997			
					FIS	CAL Y	⁄EAR	1999									FISC	CAL Y	/EAR	2000	0								FISC	AL Y	EAR	2001					
ITEM/MANUFACTURER/		1	ı		1		C/	ALENE	DAR	YEAF	R 199	99		1			ı		C	CALE	NDAF	R YEA	AR 20	000			I		1	CAL	END	AR YE	EAR 2	2001			L
PROCUREMENT YEAR	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J	A U G	S E P	A T E R
FY 94																																					
QG 001 AN/SSQ-36B - SPARTON																																					
FY 96																																					
QG 001 AN/SSQ-36B - SPARTON																																					
FY 97																																					
QG 001 - AN/SSQ-36B - NOT SELECTED																																					_
FY 98																																					
QG 001 - AN/SSQ-36B - NOT SELECTED	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5																									
FY 99																																					
QG 001 - AN/SSQ-36B - NOT SELECTED			Α										0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5													
TOTAL	0.6	0.6	0.6	0.6		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	JUL	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	JUL	A U G	S E P	

#### REMARKS

DD Form 2445, JUL 87 Page 2 of Pages 2 Previous editions are obsolete P-1 SHOPPING LIST ITEM NO. 124 PAGE NO. Exhibit P-21 Production Schedule 311/244 4-70

<sup>\*</sup> Rates are based on the FY95 Contract versus the Industrial Base Plan, Hermes is no longer a mobilization base producer.

<sup>\*\*</sup> IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAX. QUANTITY SHOULD BE REDUCED BY 33% - 50%.

	BUD	GET ITEM J	USTIFICATION	ON SHEET			DATE:	
			P-40				Feb	1997
APPROPRIATION/E	BUDGET ACTIVITY				P-1 ITEM NOM	ENCLATURE	P-1 #	
Other Procurer	ment, Navy				AN/S	SSQ-53 (DIF	AR) SONOB	UOY
B. A. 3 - Aviation	on Support Equi	pment			PEO (A) PR	OGRAM	NARM #40	2500
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST								
(In Millions)	\$0.0	\$15.7	\$28.4	\$26.4	\$29.9	\$25.3	\$21.1	\$21.8

The AN/SSQ-53 (DIFAR) is a passive directional sonobuoy which provides acoustic target localization information.

The AN/SSQ-53E DIFAR Sonobuoy incorporates shallow water performance enhancements over the AN/SSQ-53D. The Engineering Change Proposal (ECP) will be developed in FY97. The ECP incorporates: (1) a Constant Shallow Omni (CSO) hydrophone, (2) Command Function Select (CFS), (3) additional DIFAR depths, and (4) Automatic Gain Control (AGC).

The FY97 program provides for the AN/SSQ-53E ECP to be competed among qualified manufacturers.

The FY 98 program provides for 44,194 AN/SSQ-53E DIFAR Sonobuoys to be competed among qualified manufacturers.

The FY 99 program provides for 39,131 AN/SSQ-53E DIFAR Sonobuoys to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

P-1 SHOPPING LIST CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 125 PAGE NO. 1

#### CLASSIFICATION:

Wi	EAPONS S		M COST ANALY	SIS				DATE:	
PRIATION/BUDGET ACTIVITY		P		CLATURE	F/SLIBHEAD				eb 1997
			I THEM NOMEN	OLATORE		OGRAM			# 402500
- Aviation Support Equipment			Α	N/SSQ-					EAD: U3QC
				TOTAL C	COST IN THOUSAN	DS OF D	OLLARS		
ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997		FY 1998	ı	FY 1999
		QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
AN/SSQ-53 w/SLC*	А				9,665		25,228		23,434
DELIVERED TO FLEET				0		42,868		37,957	
LOT ACCEPTANCE BUOYS						1,326		1,174	
PRODUCTION ENGINEERING					5,000		1,514		1,406
ACCEPTANCE TESTING					1,000		1,640		1,523
ТО	TAL			0	15,665	44,194	28,382	39,131	26,363
* SONOBUOY LAUNCH CONTAINER									
	PRIATION/BUDGET ACTIVITY Procurement, Navy - Aviation Support Equipment  ELEMENT OF COST  AN/SSQ-53 w/SLC*  DELIVERED TO FLEET  LOT ACCEPTANCE BUOYS  PRODUCTION ENGINEERING  ACCEPTANCE TESTING	PRIATION/BUDGET ACTIVITY Procurement, Navy - Aviation Support Equipment  ELEMENT OF COST IDENT CODE  AN/SSQ-53 w/SLC* A  DELIVERED TO FLEET LOT ACCEPTANCE BUOYS PRODUCTION ENGINEERING ACCEPTANCE TESTING  TOTAL	PRIATION/BUDGET ACTIVITY Procurement, Navy - Aviation Support Equipment  ELEMENT OF COST  IDENT CODE QTY  AN/SSQ-53 w/SLC*  DELIVERED TO FLEET LOT ACCEPTANCE BUOYS  PRODUCTION ENGINEERING  ACCEPTANCE TESTING  TO TAL	P-5 PRIATION/BUDGET ACTIVITY Procurement, Navy - Aviation Support Equipment  ELEMENT OF COST  IDENT FY 1996  QTY TOTAL COST  AN/SSQ-53 w/SLC*  DELIVERED TO FLEET  LOT ACCEPTANCE BUOYS  PRODUCTION ENGINEERING  ACCEPTANCE TESTING  TOTAL	P-5 PRIATION/BUDGET ACTIVITY PROCUREMENT, Navy - Aviation Support Equipment  ELEMENT OF COST  IDENT CODE  AN/SSQ-53 w/SLC*  DELIVERED TO FLEET  LOT ACCEPTANCE BUOYS PRODUCTION ENGINEERING  ACCEPTANCE TESTING  P-1 ITEM NOMENCLATURE  AN/SSQ-  TOTAL CO  FY 1996  QTY TOTAL COST QTY  A O  TOTAL COST QTY  A	P-5 PRIATION/BUDGET ACTIVITY PROCUREMENT, Navy - Aviation Support Equipment  ELEMENT OF COST  IDENT CODE  TOTAL COST IN THOUSAN  AN/SSQ-53 W/SLC* AN/SSQ-53 W/SLC* AN/SSQ-53 W/SLC* DELIVERED TO FLEET LOT ACCEPTANCE BUOYS PRODUCTION ENGINEERING ACCEPTANCE TESTING  TOTAL  P-1 ITEM NOMENCLATURE/SUBHEAD PEO (A) PRO AN/SSQ-53 (DIFAR) SO  TOTAL COST IN THOUSAN  FY 1996 FY 1997 QTY TOTAL COST QTY TOTAL COST  0  1,000 1,000 15,665	P-5 PRIATION/BUDGET ACTIVITY PEO (A) PROGRAM AN/SSQ-53 (DIFAR) SONOBUC  ELEMENT OF COST  DENT CODE  TOTAL COST IN THOUSANDS OF D  AN/SSQ-53 w/SLC*  A 9,665  DELIVERED TO FLEET LOT ACCEPTANCE BUOYS PRODUCTION ENGINEERING ACCEPTANCE TESTING  TOTAL  TOTAL  TOTAL  P-1 ITEM NOMENCLATURE/SUBHEAD PEO (A) PROGRAM AN/SSQ-53 (DIFAR) SONOBUC  TOTAL COST IN THOUSANDS OF D  FY 1996 FY 1997 QTY TOTAL COST QTY TOTAL COST QTY TOTAL COST QTY 1,326  1,326  TOTAL  TOTAL  TOTAL  1,326	P-5 PRIATION/BUDGET ACTIVITY PTOCUREMENT, Navy - Aviation Support Equipment  ELEMENT OF COST    IDENT   CODE     TOTAL COST   TOTAL COS	P-5 PRIATION/BUDGET ACTIVITY Procurement, Navy - Aviation Support Equipment  ELEMENT OF COST  IDENT CODE  AN/SSQ-53 w/SLC*  DELIVERED TO FLEET  LOT ACCEPTANCE BUOYS PRODUCTION ENGINEERING ACCEPTANCE TESTING  P-1 ITEM NOMENCLATURE/SUBHEAD P-1 # PEO (A) PROGRAM NARM NARM NARM NARM NARM NARM NARM NARM

## **UNCLASSIFIED**

	BUDGET PROCURE	MENT HISTOI	RY AND PLAN	NING EX	HIBII (P-	5A)			A. DATE	
B. APPROPRIATION/BUDGE Other Procurement, I B. A. 3 - Aviation Sup	Navy			AN/SSQ	PROGR	ATURE R) SONOB AM P-1 #		SUBHEAD	l	1997 3QC
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLI
FY 97										
AN/SSQ-53E	NOT SELECTED	C/FFP	NWSC CRANE	3/97	N/A	N/A	N/A	YES	NO	
FY 98										
AN/SSQ-53E	NOT SELECTED	C/FFP	NSWC CRANE	12/97	10/98	44,194	\$570.86	YES	NO	
FY 99										
AN/SSQ-53E	NOT SELECTED	C/FFP	NSWC CRANE	12/98	10/99	39,131	\$598.85	YES	NO	
D. REMARKS		_1	L	1	I	l		1	I	
The FY97 ECP will incorporate	te those items addressed on t	ne P-40.								

DD Form 2446-1, JUL 87 ITEM NO. 125 PAGE NO. 3 CLASSIFICATION:

FY 1998/99 BUDGET PRO	DUC	TION	SCHED	ULE	P-1 IT	EM NO	MEN	CLAT	JRE											DATE									
								AN	/SS	Q-5:	3 (D	IFA	R) S	ON	овι	JOY	•							Fe	b 19	997			
ITEM / MANUFACTURER/			ACCEP.	BAL.					FISC	AL YI	EAR	1997							'	-	FISCA	L YE	AR 19	998					
PROCUREMENT YEAR	S	PROC.	PRIOR	DUE		19	96			CAI	END	AR YI	EAR 1	997			1:	997				CAL	END	AR YE	AR 1	998			L
	E R	QTY	TO 1	AS OF	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	A T
	V		OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
FY 98																													
QC 001 - AN/SSQ-53 - NOT		44.2		44.2															Α										44.2
SELECTED																													
FY 99																													
QC 001 - AN/SSQ-53 - NOT		39.1		39.1																									39.1
SELECTED																													
TOTAL	0	83.3	0	83.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83
					0	N O	D E	J A	F E	M A	A P	M A	O C	Ŋ	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A	C L	J	A U	S E	
					Ť	V	C	N	В	R	R	Υ	N	L	G	Р	Ť	V	C	N	В	R	R	Υ	N	Ĺ	G	P	
	PRO MINIMUM	DUCTION	RATES	RCH'D							PRO	OCUF	REME	NT LE	AD TI	ME							REM	ARKS	i				
MANUFACTURER'S NAME AND LOCATION	SUST.	1-8-5	MAXIMUM	D +								AD	MIN	LEAD <sup>-</sup>	TIME			MAN			ТОТ	AL	FY 9	8 PRC	OC LA	T (1,3	26)		
SPARTON, FLA.	375	28.0	65.0*	11									RIOR			TER	F	FACTUR	RING		AFTEF		FY 9	9 PRC	OC LA	T (1,1	74)		
LILIOUEO IN **	075	00.0	05.04	44							ŕ	1 OC	T		1 OC	Г		TIME			1 OCT	Γ		DON'					
HUGHES, IN. **	375	32.6	65.0*	11	INITIAL										3			9			4	2	LAI	DONE	MON	II HLY			
* SEE REMARKS ON NEXT PAGE	1				II VI I IZAL	-									3			3				-							
	t			l	REORI	DER (Pre	vious Sc	ource)															1						

DD Form 2445, JUL 87

311 / 244

Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO 125 PAGE 4 Exhibit P-21 Production Schedule

FY 1998/99 BUD	GE	TI	PRO	DDU	JC	TIO	N	SCH	ED	UL	E		P-1 ľ	TEM N	IOMEI	NCLA <sup>-</sup>	TURE											DATE									
															-	AN/	SS	Q-5	3 (C	)IFA	R)	SOI	NOE	BUO	Υ							Fe	b 19	997			
					FIS	CAL	YEA	R 199	9								FIS	CAL Y	'EAR	2000	)								FISC	AL YE	EAR	2000					Г
ITEM/MANUFACTURER/		1	998					CALE	NDAF	R YEA	R 19	99	=						C	CALE	NDAR	YEA	R 200	00						CALI	ENDA	AR YE	AR 2	2000			L
PROCUREMENT YEAR	O C T	N O V	E	J A N		E A		A M P A R Y	U		A U G	S E P	0 C T	N O V	D E C	J A N	F E B	Α	Р			J J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	J	A U G	S E P	A T E R
FY 98																																					
QC 001 - AN/SSQ-53 - NOT	3.7	3.7	7 3.7	3.7	7 3.	7 3.	7 3	.7 3.7	7 3.7	3.7	3.6	3.6																									
SELECTED																																					
FY 99																																					
QC 001 - AN/SSQ-53 - NOT SELECTED			Α										3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2													
							1																														
							+																														
							1																														
TOTAL	3.7	3.7	7 3.7	3.7	7 3.	7 3.	7 3	.7 3.7	7 3.7	3.7	3.6	3.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	O C T	N O V	E	J A N		: A		A M P A R Y	U	J J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	Α		Α	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	

#### REMARKS

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST ITEM NO. PAGE NO. 5 Page 2 of Pages 2
311/244 4-70 125 Exhibit P-21 Production Schedule

 $<sup>^{</sup>st}$  IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAX. QUANTITY SHOULD BE REDUCED BY 33% - 50%.

<sup>\*\*</sup>EFFECTIVE 1 AUG 1996 MAGNAVOX HAS BEEN CHANGED TO HUGHES DEFENSE COMMUNICATIONS, IN.

	BUDG	ET ITEM JU	JSTIFICATION P-40	ON SHEET			DATE: Feb	1997
APPROPRIATION/BUDG	GET ACTIVITY		1 40		P-1 ITEM NOM	ENCLATURE		1001
Other Procuremen	nt, Navy				AN/S	SQ-62 (DICA	ASS) SONOE	BUOY
B. A. 3 - AVIATION	SUPPORT	<b>EQUIPMEN</b>	Т		PEO (A) PR	OGRAM	NARM: # 40	3200
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$4.0	\$31.2	\$24.3	\$25.8	\$29.7	\$30.2	\$32.0	\$31.6

The AN/SSQ-62 (DICASS) sonobuoy is a directional active sonobuoy that provides target bearing and range information on the submarine with each echo. The AN/SSQ-62E is an ECP to the AN/SSQ-62D incorporating the following changes: (1) Command Function Select (CFS), and (2) all four sonar channels in one sonobuoy.

The FY 96 contract was awarded to Sparton for a quantity of 1,384 AN/SSQ-62D's. The FY 96 program includes \$1.6M for an AN/SSQ-62D ECP.

The FY 97 program provides for 21,564 AN/SSQ-62D's and AN/SSQ-62E ECP to be competed among qualified manufacturers.

The FY 98 program provides for 21,037 AN/SSQ-62E's to be competed among qualified manufacturers. The FY 99 program provides for 22,724 AN/SSQ-62E's to be competed among qualified manufacturers. RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
81	937	728	1,032	1,186	1,209	1,281	1,264

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 126 PAGE NO. 1

		WEAPONS S		COST ANALY	SIS				DATE:	4007
Other I	PRIATION/BUDGET ACTIVITY  Procurement, Navy  - AVIATION SUPPORT EQUIPM	ENT	P-	P-1 ITEM NOMENO		PEO (A) PRO			P-1# NARI	M #403200 IEAD: U3QF
217110						OST IN THOUSAN				
COST	ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997		FY 1998		FY 1999
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
QF 001	AN/SSQ-62 w/SLC*	А		** 3,499		** 28,243		** 21,592		** 22,937
	DELIVERED TO FLEET		1,320		20,917		20,406		22,042	
	LOT ACCEPTANCE BUOYS		64		647		631		682	
QF 830	PRODUCTION ENGINEERING			261		1,599		1,296		1,376
QF 860	ACCEPTANCE TESTING			279		1,396		1,403		1,490
	٦	TOTAL	1,384	4,039	21,564	31,238	21,037	24,291	22,724	25,803
	* SONOBUOY LAUNCH CONTAINER ** INCLUDES FUNDING FOR SILVER							CL ASSIFICATION:		

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 126 PAGE NO. 2

# **UNCLASSIFIED**

	BUDGET PROCURE	MENT HISTO	RY AND PLAN	NING EX	HIBIT (P	-5A)			A. DATE	o 1997
B. APPROPRIATION/BUDGE Other Procurement, B. A. 3 - AVIATION S				AN/SSQ	) PROGR	ATURE (SS) SON( AM P-1 #	DBUOY	SUBHEAD	U	3QF
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY 96										
AN/SSQ-62D w/SLC*	SPARTON FLA	C/FFP	NAWC IN	4/96	4/97	1,384	\$1,364.30	YES	NO	
=Y 97										
AN/SSQ-62D w/SLC*	NOT SELECTED	C/FFP	NSWC CRANE	2/97	10/97	21,564	\$948.00	YES	NO	
FY 98										
AN/SSQ-62E w/SLC*	NOT SELECTED	C/FFP	NSWC CRANE	12/97	10/98	21,037	\$1,026.38	YES	NO	
=Y 99										
AN/SSQ-62E w/SLC*	NOT SELECTED	C/FFP	NSWC CRANE	12/98	10/99	22,724	\$1,009.35	YES	NO	
D. REMARKS										

DD Form 2446-1, JUL 87 ITEM NO. 126 PAGE NO. 3 CLASSIFICATION:

FY 1998/99 BUDGET PRO	DUC.	TION	SCHED	ULE	P-1 IT	EM NO	OMEN	CLAT	URE											DATE								
								AN/	SSC	Q-62	(DI	CAS	SS)	SON	<b>IOB</b>	OU,	Y							Fe	b 19	997		
ITEM / MANUFACTURER/			ACCEP.	BAL.					FISC	CAL YI	EAR ·	1997									FISCA	L YE	AR 19	98				
PROCUREMENT YEAR	S	PROC.	PRIOR	DUE						CAI	END	AR YI	EAR 1	997			1	997				CAL	END/	AR YE	AR 1	998		L
	E R V	QTY	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S A T E P R
FY 94																												
QF001 - AN/SSQ-62 - HUGHES **		8.5		8.5	0.8			1.7		0.8		1.6		1.6	2.0													
SPARTON		13.7		13.7				1.7	1.7	1.7	1.6	1.6	1.6	1.6	2.2													
FY 95																												
QF001 - AN/SSQ-62 - SPARTON		22.2	9.9	12.3	1.6	1.6	1.6	3.8	3.7																			
FY 96																												
QF001 - AN/SSQ-62 - SPARTON		1.4		1.4							0.3	0.3	0.2	0.2	0.2	0.2												
FY 97																												
QF001 - AN/SSQ-62 - NOT SELECTED		21.6		21.6					Α								1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
FY 98																												
QF001 - AN/SSQ-62 - NOT SELECTED		21.0		21.0															Α									21.0
FY 99																												
QF001 - AN/SSQ-62 - NOT SELECTED		22.7		22.7																								22.7
TOTAL	0	111.1	9.9	101.2	2.4	1.6	1.6	7.2	5.4	2.5	1.9	3.5	1.8	3.4	4.4	0.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8 <b>44</b>
					O C T	N 0 V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	I N	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N O C	) J	A U G	S E P
		DUCTION	RATES	RCH'D							PR	OCUF	REME	NT LE	AD TI	IME							REM	ARKS				
MANUFACTURER'S NAME AND LOCATION	MINIMUM SUST.	1-8-5	MAXIMUM	D +								AD	MIN	LEAD 7	TIME			MAN			TOT	٩L	FY 98	5 PRO	OC LA	T (512	2)	
HUGHES, IN	250	2.6	8.0*	10									RIOR			FTER	F	FACTU			AFTER				C LAT			
SPARTON, FLA	250	8.0	8.0*	6								1 OC	Т		1 OC	Т		TIME			1 OCT				C LAT		•	
* SEE REMARKS ON NEXT PAGE					INITIAL	-									3			9			1:	2			C LAT		•	
					REORE	DER (Pre	vious S	ource)															LAT [	OONE	MON	THLY		

DD Form 2445, JUL 87

Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO 126 PAGE 4

FY 1998/99 BUD	GE	TF	PRO	DU	СТІ	ON	I SCI	1EC	วบเ	_E		ı	P-1 IT	EM N	OMEN	ICLAT	URE											DATI									
	_				• • •										A	N/S	SC	<b>1-62</b>	(DI	CA	SS)	so	NO	BU	YC							Fe	b 19	997			
					FISC	AL Y	EAR 19	999				Î					FIS	CAL Y	EAR	2000	)								FISC	AL YI	EAR	2001				$\Box$	$\Box$
ITEM/MANUFACTURER/							CAL	ENDA	R YE	AR	1999								C	CALEN	NDAR	YEA	R 20	00						CALI	ENDA	R YE	AR 2	2001			L
PROCUREMENT YEAR	O C T	N O V	Е	J A N	F E B	M A R	A M P A R Y	A L	j	J	U	S E P	O C T	N O V	D E C	J A N	F E B		A P R	M A Y	N U	J U	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J U L	A U G	S E P	A T E R
												1																									
																																				$\blacksquare$	$\vdash$
																																					П
FY 98																																					
QF001 - AN/SSQ-62 - NOT SELECTED	1.8	1.8	3 1.8	1.8	1.8	1.8	1.7 1.	.7 1.	7 1	.7 1	.7 1	.7																									
SELECTED																																					
FY 99																																					
QF001 - AN/SSQ-62 - NOT SELECTED			Α										1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8													
SELECTED																																					
									+	+																										$\dashv$	$\vdash$
												-																								=	
TOTAL	1.8	1.8	3 1.8	1.8	1.8	1.8	1.7 1.	.7 1.	7 1	.7 1	.7 1	.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	O C T	N O V	Е	J A N	F E B	M A R	A M P A R Y	۱ ۱	J	J	U	S E P	O C T	N O V	D E C	J A N	F E B	Α	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J L	A U G	S E P	

REMARKS

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST ITEM NO. PAGE NO. 5 Page 2 of Pages 2 311/244 4-70 126 Exhibit P-21 Production Schedule

<sup>\*</sup> IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAX. QUANTITY SHOULD BE REDUCED BY 30% - 50%.

<sup>\*\*</sup>EFFECTIVE 1 AUGUST 1996, MAGNAVOX HAS BEEN RENAMED HUGHES DEFENSE COMMUNICATIONS, IN.

	BUD	GET ITEM J	USTIFICATI	ON SHEET			DATE:	
			P-40				FEB	1997
APPROPRIATION/BUD	OGET ACTIVITY				P-1 ITEM NOM	ENCLATURE	P-1 #	
Other Procureme	nt, Navy					AN/SSQ	-101 ADAR	
B. A. 3 - AVIATIO	N SUPPORT I	<b>EQUIPMENT</b>	•		PEO (A) PR	OGRAM	NARM # 40	3600
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST								
(In Millions)	\$0.0	\$0.0	\$0.0	\$22.6	\$29.4	\$38.3	\$42.5	\$42.9

The AN/SSQ-101 Air Deployable Active Receiver (ADAR) is a commandable, passive A-size sonobuoy with a horizontal planar array that can be deployed at different depths. The ADAR sonobuoy transmits beamformed digital data to all Air ASW platforms and is deployed as the Improved Extended Echo Ranging System's active receiver.

The FY 99 program provides for 6,576 AN/SSQ-101's to be competed among qualified manufacturers.

The ADAR program will transition from R&D program element 0604261N beginning in FY 99.

THERE IS NO RESERVE REQUIREMENT FOR THE SSQ-101.

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 127 PAGE NO. 1

WEA	PONS S			SIS				DATE:	EB 1997
PRIATION/BUDGET ACTIVITY  Procurement, Navy  - AVIATION SUPPORT EQUIPMENT		<u> </u>			PEO(A) PROG			P-1 # <b>NAR</b>	
				TOTAL (	COST IN THOUSAN	IDS OF D	OLLARS		
ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997				FY 1999
		QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
AN/SSQ-101 w/SLC*	В								19,792
DELIVERED TO FLEET								6,379	
LOT ACCEPTANCE BUOYS								197	
PRODUCTION ENGINEERING									1,617
ACCEPTANCE TESTING									1,215
TOTAL								6,576	22,624
* SONOBUOY LAUNCH CONTAINER									
	PRIATION/BUDGET ACTIVITY Procurement, Navy - AVIATION SUPPORT EQUIPMENT  ELEMENT OF COST  AN/SSQ-101 w/SLC*  DELIVERED TO FLEET  LOT ACCEPTANCE BUOYS  PRODUCTION ENGINEERING  ACCEPTANCE TESTING  TOTAL	PRIATION/BUDGET ACTIVITY Procurement, Navy - AVIATION SUPPORT EQUIPMENT  ELEMENT OF COST  IDENT CODE  AN/SSQ-101 w/SLC*  DELIVERED TO FLEET  LOT ACCEPTANCE BUOYS  PRODUCTION ENGINEERING  ACCEPTANCE TESTING  TOTAL	PRIATION/BUDGET ACTIVITY Procurement, Navy - AVIATION SUPPORT EQUIPMENT  ELEMENT OF COST  DENT CODE  QTY  AN/SSQ-101 w/SLC* DELIVERED TO FLEET LOT ACCEPTANCE BUOYS PRODUCTION ENGINEERING ACCEPTANCE TESTING  TOTAL	P-5 PRIATION/BUDGET ACTIVITY Procurement, Navy - AVIATION SUPPORT EQUIPMENT  ELEMENT OF COST  IDENT CODE  TY 1996  QTY TOTAL COST  AN/SSQ-101 w/SLC*  DELIVERED TO FLEET  LOT ACCEPTANCE BUOYS  PRODUCTION ENGINEERING  ACCEPTANCE TESTING  TOTAL	PRIATION/BUDGET ACTIVITY Procurement, Navy - AVIATION SUPPORT EQUIPMENT  ELEMENT OF COST  IDENT FY 1996  QTY TOTAL OF TO	P-5 PRIATION/BUDGET ACTIVITY Procurement, Navy - AVIATION SUPPORT EQUIPMENT  ELEMENT OF COST  IDENT FY 1996  QTY TOTAL COST QTY TOTAL COST  ANVSSQ-101 w/SLC*  DELIVERED TO FLEET  LOT ACCEPTANCE BUOYS  PRODUCTION ENGINEERING  ACCEPTANCE TESTING  P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROG AN/SSQ-101 AD/A  TOTAL COST IN THOUSAN  FY 1996  FY 1997  QTY TOTAL COST QTY TOTAL COST  ATTOTAL COST  TOTAL COST  TOTAL COST  TOTAL COST  ANVSSQ-101 w/SLC*  DELIVERED TO FLEET  LOT ACCEPTANCE TESTING	P-5 PRIATION/BUDGET ACTIVITY Procurement, Navy - AVIATION SUPPORT EQUIPMENT  ELEMENT OF COST  BAN/SSQ-101 w/SLC* DELIVERED TO FLEET LOT ACCEPTANCE BUOYS PRODUCTION ENGINEERING ACCEPTANCE TESTING  P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM AN/SSQ-101 ADAR  TOTAL COST IN THOUSANDS OF D  FY 1996  FY 1997 QTY TOTAL COST QTY TOTAL COST QTY  TOTAL COST QTY  TOTAL COST QTY  TOTAL COST QTY  TOTAL COST QTY  TOTAL COST QTY  TOTAL COST QTY  TOTAL COST QTY  TOTAL COST QTY  TOTAL COST QTY  TOTAL QUE TO	P-5 Procurement, Navy - AVIATION SUPPORT EQUIPMENT  ELEMENT OF COST    DENT   CODE   TOTAL COST   NAVISCO-101 ADAR	P-5 PRIATION/BUDGET ACTIVITY PROCUREMENT, Navy - AVIATION SUPPORT EQUIPMENT  ELEMENT OF COST    DENT   CODE   TOTAL COST   NTOTAL COST   OTY   TOTAL COST   OTY

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 127 PAGE NO. 2

## **UNCLASSIFIED**

B. APPROPRIATION/BUDGET ACTIVIT Other Procurement, Navy	Y								FFI	3 1997
<b>B. A. 3 - AVIATION SUPPOR</b>	T EQUIPMENT			AN/SSQ	M NOMENCL -101 ADAF PROGR	₹		SUBHEAD	1	TBD .
	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY 99										
AN/SSQ-101	OT SELECTED	FFP/I	NSWC CRANE	12/98	10/99	6,576	\$3,009.41	NO	NO	

DD Form 2446-1, JUL 87 ITEM NO. 127 PAGE NO. 3 CLASSIFICATION:

FY 1998/99 BUDGET PRO	DUC.	TION	SCHEE	ULE	P-1 IT	EM N	OMEN	CLAT	JRE											DATI	E								
										AN/	SSC	2-10	1 A	DAI	R									FE	B 1	997			
ITEM / MANUFACTURER/			ACCEP.	BAL.					FIS	CAL Y	EAR	1997									FISCA	L YE	AR 1	998					
PROCUREMENT YEAR	S	PROC.	PRIOR	DUE		19	96			CAI	LEND	AR YE	EAR 1	997	,	,	1	997			,	CAL	END	AR YE	AR 1	998			L
	E R V	QTY	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U V	J U L	A U G	S E P	A T E R
FY 99																													
1 1 55																													
TBD - AN/SSQ-101 - NOT SELECTED		6.6		6.6																								-	6.6
																													-
																													<b> </b>
TOTAL	0	6.6	0	6.6	0	<b>0</b>	<b>0</b>	0	<b>0</b>	0	0	0	0	0	0	0	0	0 N	0 D	0	0 F	0	0	0	0	0	0	0	6.6
					С	0	E	J A	E	M A	A P	M A	U	J U	A U G	SEP	С	0	E	J A N	E	A	A P R	M A	Ŋ	J U	A U G	S	
	PROI	DUCTION	N RATES	RCH'D		V	C	N	В	R	R PR		REME	NT LE	AD TI			V	C	I N	В	R		IARKS	I N		G	<u> </u>	
MANUFACTURER'S NAME AND LOCATION	MINIMUM SUST.	1-8-5	MAXIMUM	D +								AD	MIN	LEAD	TIME			MAN			тот	AL	FY 9	9 PRO	OC LA	T (19	7)		
NOT OF FOTER	TDD	TDD	TDD	-									RIOR			FTER	•	FACTU			AFTER								
NOT SELECTED	TBD	TBD	TBD	TBD								I OC	I		1 OC	I		TIME			1 OCT	ı	1						
					INITIAL	-									3			9			1	12	LAT	DONE	MON	ITHLY	1		
					REORF	DER (Pre	evious S	ource)															-						
	<u> </u>							- 3.00)																					

DD Form 2445, JUL 87

311 / 244

Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO 127 PAGE 4

FY 1998/99 BU	DGE	T P	RC	DU	ICT	101	N SC	СНІ	EDI	JLE	:		P-1 IT	EM NO	OMEN	CLAT	URE											DATE								
								• • • •			_							AN/	SS	Q-1	01 /	AD/	AR									FE	B 1	997		
					FIS	CAL \	YEAR	1999	)								FISC	CAL Y	/EAR	200	0						•		FISC	AL Y	AR	2001				
ITEM/MANUFACTURER/		19	998				CA	ALEN	DAR	YEAF	R 199	9							C	CALE	NDAF	R YEA	AR 20	00						CALI	ENDA	R YE	EAR 2	2001		
PROCUREMENT YEAR	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J	JUL	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	JUL	A U G	S E P
FY 99																																				
TBD - AN/SSQ-101 - NOT SELECTED			Α										0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5												
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST ITEM NO. 127 PAGE NO. 5 Page 2 of Pages 2

311/244 4-70 Exhibit P-21 Production Schedule

FY 1998/99 BU	DGE	т.	PR	ΩD	LIC	TIC	N	SC	HE	וח	II F			P-1 I	TEM	NOME	NCL	LATUI	RE											DAT	E								
11 1330/33 20	0.	••		00							,	•							A	N/S	SSC	-10	1 A	DAF	3									FΕ	<b>B</b> 1	199	7		
					FIS	CAL	YEA	R 20	001									-	FISC	AL Y	EAR	2002	2								FISC	CAL Y	EAR	2003	3				Г
ITEM/MANUFACTURER/		2000	)						LEND	AR `	YEAF	R 200	01				I						DAR	YEA	R 20	02								AR Y		2003	<u> </u>		L
PROCUREMENT YEAR	O C T	C	) E		A E	F N E A B F	A	Р	M A Y	J U N	J	A U G	S E P	O C T	0	E		Α	F E B	M A R	A P R	M A Y	N O L	J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	Α	A P R	Α	N N		U	S E P	A T E R
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TOTAL	0	_	_	+	-	) ( F N	+	-	0 M	0 J	0 J	0 A	0 S	0	0 N	_	+	_	0 F	0 M	0 A	0 M	0 J	0 J	0 A	0 S	0	0 N	0 D	0 J	+-	_	0 A	+	0 J	0 J	_	0 S	0
	C		) E		A E	=   K =   A B   F	Ą	Р	A Y	U	U	U	E P	C	0	Е		Α		A R	P R	A Y	N O	U	U	E P	C	0 V	E			Α	P R	Α	U	U			
REMARKS				•	1	1	<b>a</b>		1			•	•	-	•	•									•	•	•					•			•			<u> </u>	

	BUD	GET ITEM J	USTIFICATI	ON SHEET			DATE:	
			P-40				Feb	1997
APPROPRIATION/BUD	GET ACTIVITY				P-1 ITEM NOM	ENCLATURE	P-1 #	
Other Procureme	nt, Navy				AN	/SSQ-110 (E	ER) SONOB	UOY
3 - AVIATION SUI	PPORT EQUIP	PMENT - SO	NOBUOYS		PEO(A) PRO	OGRAM	NARM # 403	3800
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST								
(In Millions)	\$21.4	\$35.2	\$0.0	\$14.9	\$28.5	\$34.6	\$25.5	\$35.5

The AN/SSQ-110 is an air-dropped active source buoy to be used in conjunction with the AN/SSQ-77B and AN/SSQ-101 to perform Extended Echo Ranging (EER) system active search.

The FY 96 program is for 23,057 AN/SSQ-110A's. Awards were made to Sparton (3,000) and to Hughes (20,057).\*

The FY 97 program is for 41,804 AN/SSQ-110A's to be competed among qualified manufacturers.

The FY 99 program is for 14,595 AN/SSQ-110A's to be competed among qualified manufacturers.

THERE IS NO RESERVE REQUIREMENT FOR THE SSQ-110A.

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM

ITEM NO. 128

PAGE NO. 1

	WE	APONS	SYSTE	M COST ANALY	SIS				DATE:	Feb 1997
Other	PRIATION/BUDGET ACTIVITY Procurement, Navy ATION SUPPORT EQUIPMENT - SO	NOBU		P-1 ITEM NOMENO PEO(A) PROG	RAM	E/SUBHEAD	NOBU	ργ	P-1 #	M # 403800 IEAD: U3QK
						COST IN THOUSAN				<u> </u>
COST CODE	ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997		FY 1998		FY 1999
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
QK 001	AN/SSQ-110A	А		18,212		31,796				12,390
	DELIVERED TO FLEET		22,481		40,550				14,157	
	LOT ACCEPTANCE BUOYS		576		1,254				438	
QK 830	PRODUCTION ENGINEERING			2,080		1,905				1,263
QK 860	ACCEPTANCE TESTING			1,122		1,508				1,197
	TOTAL		23,057	21,414	41,804	35,209			14,595	14,850
. <u></u>										
	M 2446 JUN 86	D 4 CHC	DPPING I	ICT				CLASSIFICATION	-	

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

#### **CLASSIFICATION:**

## **UNCLASSIFIED**

	BUDGET PROCUREN	IENT HISTOI	RY AND PLAN	NING EX	HIBIT (P	-5A)			A. DATE Fek	1997
B. APPROPRIATION/BUDGE					M NOMENCL			SUBHEAD	•	
Other Procurement,						R) SONOB	UOY		U	3QK
3 - AVIATION SUPP	ORT EQUIPMENT - SON			PEO(A)		AM P-1#				
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY 96										
AN/SSQ-110A	SPARTON, FLA *HUGHES, IN	C/FFP C/FFP	NAWC IN NAWC IN	5/96 5/96	5/97 5/97	3,000 20,057	\$998.26 \$758.68	YES YES	NO NO	
FY 97										
AN/SSQ-110A	NOT SELECTED	C/FFP	NSWC CRANE	2/97	10/97	41,804	\$760.60	YES	NO	
FY 99										
AN/SSQ-110A	NOT SELECTED	C/FFP	NSWC CRANE	12/98	10/99	14,595	\$848.92	YES	NO	

D. REMARKS

\*EFFECTIVE 1 AUG 1996, MAGNAVOX HAS BEEN RENAMED HUGHES DEFENSE COMMUNICATIONS, IN.

DD Form 2446-1, JUL 87 ITEM NO. 128 PAGE NO. 3 CLASSIFICATION:

FY 1998/99 BUDGET PRO	DUC.	TION	SCHED	ULE	P-1 IT	EM NO	OMEN	CLAT	JRE											DATI	E								
										SQ-	110	(EE	R) S	ONO	<b>DB</b> U	JOY								F	eb 1	997	•		
ITEM / MANUFACTURER/			ACCEP.	BAL.					FIS	CAL \	YEAR	1997								F	FISCA	L YE	AR 19	98					
PROCUREMENT YEAR	S	PROC.	PRIOR	DUE		19	96			CA	ALENI	DAR Y	EAR 19	97			1	997				CAI	LEND	AR YE	AR 1	998			L
	E R	QTY	TO 1 OCT	AS OF	0	N	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J	Α	S	A T
	V		001	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
FY 94																													
1 1 34																													
QK 001 AN/SSQ-110A HUGHES		17.4		17.4													1.1	2.4	2.4	2.4	2.4	2.4	2.4	1.3	0.6				
FY 95																													
QK 001 AN/SSQ-110A - HUGHES		43.9		43.9				1.7	3.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.7	3.0	2.7									
FY 96																													
QK 001 - AN/SSQ-110A - SPARTON		3.0		3.0								0.8	0.8	0.8	0.6														
HUGHES		20.1		20.1								1.6				1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7						
FY 97																													
QK 001 - AN/SSQ-110A - NOT SEL		41.8		41.8					Α								3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.6	3.6	3.6	3.6	3.6	
FY 99																													
QK 001 - AN/SSQ-110A - NOT SEL		14.6		14.6																									14.6
TOTAL	0	140.8	0	140.8	0.0	0.0	0.0	1.7	3	3.6	3.6	6	6	6	5.9	5.3	9.8	###	10.5	###	7.5	7.5	7.5	4.9	4.2	3.6	3.6	3.6	14.6
					C	N O	D E	J A	F E	M A	A P	M A	Ŋ	Ŋ	A U	S E	C	N O	D E	J A	F E	M A	A P	M A	J	Ŋ	A U	S E	
	PROI	DUCTION	RATES	RCH'D	H	V	С	N	В	R	R P	Y ROCU	N REMEI	L NT I F	G AD TI	P MF	T	V	С	N	В	R	R REM	Y IARKS	N S	L	G	Р	
MANUFACTURER'S NAME AND LOCATION	MINIMUM SUST.	1-8-5	MAXIMUM	D +									OMIN L					MAN	IU-		тот	AL			OC LA	T (12 <sup>-</sup>	16)		
HUGHES, IN.	250	8.8	24.0*	10								PF	RIOR		A	FTER	F	ACTU	RING		AFTER	₹	FY 9	6 PRO	OC LA	T (576	5)		
SPARTON, FLA.	250	7.7	24.0*	8								1 00	т		1 00	Т		TIME			1 OC				OC LA				
																							FY 9	9 PRO	OC LA	T (438	3)		
* SEE REMARKS ON NEXT PAGE					INITIAL	-									3				9		12		LAT	DONE	E MON	ITHLY	,		
					REORE	DER (Pre	vious S	ource)															L						

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

FY 1998/99 BUD	GE	TP	PC	וחו	ורז	יחו	VI C	C L	ED	111 5	=		P-1 l	TEM N	OMEN	ICLAT	URE											DATI	E								
F1 1990/99 BOD	<b>G</b> E			יטנ	, C I	101	1 3	СП		ULI	_					AN	/SS	<b>Q-</b> 1	110	(EE	R)	SOI	NOB	UOY	<u>′</u>							Fe	eb 1	997			
					FIS	CAL `	YEAI	R 199	9								FIS	CAL \	YEAR	200	0								FISC	AL Y	EAR	200	1				
ITEM/MANUFACTURER/		1998	3				(	CALEN	IDAR	YEAI	R 19	99							(	CALE	NDAF	R YE	AR 20	00						CAL	END	AR Y	EAR	2001			L
PROCUREMENT YEAR		١	_	١.	Τ_		Ι.			Ι.							_		١.	٠		Ι.		_	_		_	١.	_		Ι.	Ι	Ι.	Ι.			Α
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	Т	V	C	N	В	R			N	L	G	P	Т	V	C	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R	R	Y		Ĺ	G	Р	R
FY 96																																					_
QK 001 - AN/SSQ-110A -																																					
HUGHES																																					
FY 97																																		-			
QK 001 - AN/SSQ-110A - NOT							1																														
SELECTED																																					
							-																											-		-	
FY 99																																					
QK 001 - AN/SSQ-110A - NOT			Α										1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2													<b> </b>
SELECTED																																					
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TOTAL				1 -	+	_	1	0.0				+					+		•				1.2						_						0.0		0.0
	0 C	N O	D E	J A	F E	M A	A P		Ŋ	Ŋ	A U	S	0	N O	D E	J A	F E	M A	A P	M A	U	J	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J	U	A U	S E	
	Т	V	C	N	В	R			N		G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	C	N	В	R		Y		L	G	P	

REMARKS

 $<sup>^{\</sup>star}$  IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN MAX. QUANTITY SHOULD BE REDUCED BY 33% - 50%

FY 1998/99 BU	DGE	TP	PRO	DU	СТ	101	N S	СН	EDI	ULI			P-1 l	TEM N	IOMEN	NCLAT	URE											DAT	E							
																AN	/SS	Q-1′	10 (I	EER	R) S(	ONC	DBU	OY								Fel	<b>1</b>	997	7	
					FISC	AL YE	EAR :	2001									FIS	CAL Y	′EAR	2002	2								FISC	AL YI	EAR	2003				
ITEM/MANUFACTURER/	:	2000					C	ALEN	IDAR	YEA	R 200	01							C	ALEN	DAR	YEAF	R 200	)2						CAL	END/	AR YE	AR 2	2003		
PROCUREMENT YEAR	O C T	N O V		J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C		F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U	J L	A U G	S E P
		_																																		
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	Z C C	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	ZCC	J L	A U G	ЫπЬ	O C T	N O V	DEC	J A N	F E B	M A R	A P R	M A Y	ZCC	J	A U G	S E P

	BUD	GET ITEM J	USTIFICATION	ON SHEET			DATE:	
			P-40				Feb	1997
APPROPRIATION/BUDG	ET ACTIVITY				P-1 ITEM NOM	ENCLATURE	P-1 #	
Other Procurement	t, Navy				SIGNAL	., UNDERW	<b>ATER SOUN</b>	D (SUS)
3 - AVIATION SUPI	PORT EQUIP	PMENT			PEO(A) PRO	OGRAM	NARM # 404	<b>4500</b>
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST								
(In Millions)	\$0.0	\$1.1	\$0.7	\$1.3	\$0.0	\$1.5	\$0.0	<b>\$1.6</b>

Signal, Underwater Sound devices are expendable, high energy acoustic sources. The MK 84 is a non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The MK 84 SUS is used for training and exercise signaling to submarines.

The FY 97 program provides for 5,933 MK 84's to be competed among qualified manufacturers.

The FY 98 program provides for 3,200 MK 84's to be competed among qualified manufacturers.

The FY 99 program provides for 6,000 MK 84's to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03
256	108	200	0	220	0	244

P-1 SHOPPING LIST

CLASSIFICATION:

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DD Form 2454, JUN 86

	WEA	PONS S	SYSTE	I COST ANALY	SIS				DATE:	
			P							eb 1997
	PRIATION/BUDGET ACTIVITY			P-1 ITEM NOMEN					P-1#	
	Procurement, Navy				•	) PROGRAM				W # 404500
3 - AVI	ATION SUPPORT EQUIPMENT	1		SIGN		DERWATER S		•	SUBF	IEAD: U3QH
					TOTAL C	COST IN THOUSAN	DS OF D	OLLARS		
COST CODE	ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997		FY 1998		FY 1999
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
QH 003	SIGNAL UNDERWATER SOUND MK 84	Α				956		540		1,035
	DELIVERED TO FLEET				5,785		3,120		5,850	
	LOT ACCEPTANCE BUOYS				148		80		150	
QH 830	PRODUCTION ENGINEERING					67		61		147
QH 860	ACCEPTANCE TESTING					73		71		161
	ТОТАІ	<u> </u>			5,933	1,096	3,200	672	6,000	1,343
D EODI	1 2446 .ILIN 86	P-1 SHC	DDING I	ICT		I		CLASSIFICATION:	L	

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 129 PAGE NO. 2

## **UNCLASSIFIED**

	BUDGET PROCUREM	IENT HISTOR	Y AND PLANN		•	•			A. DATE Fel	o 1997
<ul><li>B. APPROPRIATION/BUDGE</li><li>Other Procurement,</li><li>3 - AVIATION SUPPO</li></ul>	Navy			SIGNAL	PROGR.	VATER SO	UND (SUS		U	3QH
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY 97										
QH 003 - SUS MK 84	NOT SELECTED	C/FFP	NSWC CRANE	2/97	10/97	5,933	\$161.13	YES	NO	
FY 98										
QH 003 - SUS MK 84	NOT SELECTED	C/FFP	NSWC CRANE	12/97	10/98	3,200	\$168.61	YES	NO	
FY 99										
QH 003 - SUS MK 84	NOT SELECTED	C/FFP	NSWC CRANE	12/98	10/99	6,000	\$172.52	YES	NO	
D. REMARKS										

DD Form 2446-1, JUL 87 ITEM NO. 129 PAGE NO. 3 CLASSIFICATION:

FY 1998/99 BUDGET PRO	DUC.	TION	SCHEE	ULE	P-1 IT	EM NO	OMEN	CLAT	JRE										DA	ΤE								$\Box$
							SIC	GNA	L, l	JND	ER	WA	ΓER	so	UND (	SUS	<b>S</b> )						Fe	b 19	997			
ITEM / MANUFACTURER/			ACCEP.	BAL.					FISC	CAL YI	EAR	1997								FISC	AL YE	AR 1	998					
PROCUREMENT YEAR	S	PROC.	PRIOR	DUE		1996	3			CAI	LEND	AR YE	AR 1	997			1997				CA	LEND	AR YE	AR 1	998			L
	E R V	QTY	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	JUL	A S U E G P	С	; (	) E	Α		M A R	A P R	M A Y	J U N	J J	A U G	S E P	A T E R
FY 97																												
QH 003 - SUS MK 84 - NOT SEL		5.9		5.9			Α									0.	5 0	5 0.5	5 0.5	5 0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	
FY 98																												
QH 003 - SUS MK 84 - NOT SEL		3.2		3.2														A					<u> </u>					3.2
FY 99																												
QH 003 - SUS MK 84 - NOT SEL		6.0		6.0												1							+					6.0
																							+					
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TOTAL	0	15.1	0	15.1	0	0	0	0	0	0	0	0	0	0	0 0	0.	5 0	5 0.5	5 0.5	5 0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	9.2
					O C T	N O V	D E C	J A	F E	M A	A P	M A	Ŋ	J U	A S U E	C	) (	I D	J A	F	M A R	A P R	M A	J	J J	A U G	S E	
	PROI	DUCTION	N RATES	RCH'D		V	C	I N	В	R	- 1	OCUF	REME	NT LE	AD TIME		\	/   C	N	В	R		/ARKS	N N		G	Р	
MANUFACTURER'S NAME AND LOCATION	MINIMUM SUST.	1-8-5	MAXIMUM	D +									MIN	LEAD				IANU- TURING			TAL		97 PRC					
SPARTON	TBD	TBD	TBD	TBD								PI 1 OC	RIOR T		AFTE 1 OCT	К	TII			AFTE 1 OC			98 PRC 99 PRC					
					INITIAL	=									3		(	)			12							
					REORE	DER (Pre	vious S	ource)								+			+			LAT	DONE	MON	ITHLY	,		

DD Form 2445, JUL 87

Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO 129 PAGE 4

FY 1998/99 BUD	GE	T F	PRC	DL	JCT	101	N S	СН	ED	ULE	Ξ		P-1 I	TEM N	IOME	NCLAT	URE											DAT	E								
	_										_				SIG	NAI	_, U	ND	ERV	VA	TER	SC	UN	<b>D</b> (	sus	<b>S</b> )						Fe	b 1	997	•		
					FIS	CAL \	YEAR	1999	9								FISC	AL Y	EAR :	2000									FISC	AL Y	EAR	2001					
ITEM/MANUFACTURER/		199	8				CA	ALEN	IDAR	YEAI	R 199	99							C/	ALEN	IDAR	YEAF	200	00						CAL	END	AR YE	EAR	2001			L
PROCUREMENT YEAR	O C T	N O V		J A N	F E B	M A R	A P R	M A Y	J U N		A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	JUL	A U G	S E P	O C T	N O V	D E C		F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	A T E R
FY 97																																					
QH 003 - SUS MK 84 - NOT SELECTED																																					
FY 98																																<u> </u>					
QH 003 - SUS MK 84 - NOT SELECTED	0.3	0.3	3 0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2																									
FY 99																																+					
QH 003 - SUS MK 84 - NOT SELECTED			A										0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5													
																																<u></u>					E
																																					F
TOTAL	0.3	0.3	3 0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	O C T	N O V	E	J A N	F E B	M A R	Р	M A Y	J U N		A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N O C	7 O L	A U G	S E P	O C T	N O V		J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST ITEM NO. 129 PAGE NO. 5 Page 2 of Pages 2
311/244 4-70 Exhibit P-21 Production Schedule

FY 1998/99 BU	DGE	TP	RC	DU	JCT	101	N S	СНІ	EDI	ULE			P-1 II	IEM N	OMEN	CLAT	UKE											DATI	E							
															SIG	NA	L, U	IND	ERV	VAT	ER	SO	UNE	) (SI	JS)							Fel	<b>1</b> !	997	7	
					FISC	AL YE	EAR :	2001									FIS	CAL`	YEAR	2002	2								FISC	AL YE	EAR	2003				
ITEM/MANUFACTURER/		2000				ı	C	ALEN	DAR	YEAI	R 200	01		1	ı		I		С	ALEN	IDAR	YEA	R 200	)2					1	CALE	ENDA	AR YE	AR 2	2003		
PROCUREMENT YEAR	O C T	N O V	D E C	J A N		M A R		M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	JUL	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	JUL	A U G	S E P
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O C T	N O V	D E C	J A N		M A R		M A Y	J U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J U	A U G	S E P
ARKS		v	U	IN	ט	IX	11	'	1.4		U	<u> </u>	<u> </u>	v	U		D	11	IX.	1	IN	_	J	- 1	'	v	U	IN	U	11	11	<u> </u>	IN	_	U	<u> </u>

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 1997	
Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					WEAPONS RANGE SUPPORT EQUIPMENT 43SC			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (IN MILLIONS)	47.2	27.1	4.9	15.7	31.7	35.5	35.1	36.1

This budget line item provides the resources to implement the Navy Fleet Training Range (FTR) Instrumentation Program Plan. These FTRs provide the primary means of fleet combat readiness training. The plan addresses the following major procurement areas: Electronic Warfare (EW) simulators, Weapons Impact Scoring Set (WISS) Replacement, Systems Replacement and Modernization (SRAM), Tactical Aircrew Combat Training Systems (TACTS), SOCAL Communications Upgrade and generic systems such as range computer systems, underwater training range systems and range tracking, simulation, and surveillance systems. The integral parts of these major range programs include but are not limited to the following: voice communications, weapons scoring systems, EW emitters/jammers, display consoles, radars, tracking subsystems, control/computation subsystems, display/debriefing subsystems, processors, HF/VHF/UHF receivers, transmitters/transceivers, multiplexers, intercom circuits, encoding devices, frequency interface control systems, power equipment, sonobouy tracking systems, bottom mounted underwater hydrophone systems, phase shift keying processors, and other specialized equipment.

Justification: Operational forces of the Navy's air, surface, and subsurface units are being equipped with the latest complex and sophisticated weapon systems to achieve and maintain high standards of fleet readiness. The FTRs must be furnished with training equipment capable of simulating, tracking, displaying, and debriefing the latest combat environments (e.g. electronic warfare). This equipment provides the Navy with the capability to: conduct safe fleet training exercises; achieve a high state of readiness; objectively evaluate training effectiveness as well as the strategy and tactics employed; evaluate the performance of equipment; and, to measure reliability and accuracy of operational weapon systems.

#### WEAPONS IMPACT SCORING SET (WISS) REPLACEMENT:

DD Form 2454, JUN 86

The WISS is an electro-optical scoring system which scores inert and live ordnance weapons delivery at Fleet training ranges. This WISS Replacement Program will provide a complete change-out of existing outdated/obsolete WISS at the FTRs with an improved and logistically supportable system. FY 1996 funding procured 15 WISS (V4) systems.

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 130 PAGE NO. 1 OF 17

	BUD	GET ITEM JU	N SHEET	DATE:					
			P-40		February 19				
APPROPRIATION/B	UDGET ACT	IVITY			P-1 ITEM NOM	ENCLATURE			
Other Procuremen	t, Navy			WEAPONS RANGE SUPPORT EQUIPMENT 43SC					
<b>BA3-AVIATIONS</b>	SUPPORT E	QUIPMENT							
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
QUANTITY									
COST (IN MILLIONS)	47.2	27.1	4.9	15.7	31.7	35.5	35.1	36.1	

### SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM):

The SRAM program provides for the procurement of numerous minor equipments/instrumentation needed at all Navy training ranges. SRAM procurements replace and modernize economically unmaintainable systems and equipment in order to increase range efficiency. Generally, the receiving activity will accomplish installation of these minor equipments; whereas, the more complex equipments may require installation support from other agencies. Funding for installation of minor equipment is required in all years at all ranges.

### TACTIAL AIRCREW COMBAT TRAINING SYSTEM (TACTS):

The TACTS was developed in the early 1970's in response to the large Aircrew losses in Vietnam. TACTS tracks aircraft and monitors weapon systems during training missions. Weapons simulations are run by the TACTS in response to aircrew actions. Results are displayed in real-time and recorded for post mission debrief. The original system was installed at Yuma, AZ and a follow-on system was installed at Oceana, VA. Navy Decision Coordinating Paper (NDCP) W0431-AA established a requirement to continue development of new training techniques and capabilities through TACTS upgrades. The USAF has adopted the TACTS, renamed the Air Combat Maneuvering Instrumentation (ACMI), and more recently the Air Combat Training System (ACTS), as their standard aircrew training system. The latest generation 36 A/C system achieved an initial operating capability at Fallon NV in 1985. Other 36 A/C systems have been installed at Cherry Point, NC and Beaufort, SC. The Yuma and Oceana systems have also been upgraded to the 36 A/C configuration.

The FY 1996 program upgraded the Yuma TACTS. This will improve TACTS tracking of aircraft operating at low altitudes around the existing target complex. Also, FY 1996 funding upgraded TACTS Tracking Instrumentation for Cherry Point to provide coverage of the Camp Lejeune target areas. The FY 1997 program will replace the Control and Computational Subsystems (CCSs) at Fallon, Cherry Point, Beaufort, and Yuma TACTS. The older computers currently used in the CCSs at these ranges are expensive to maintain and lack the processing capacity required to fully support recent and planned software enhancements. There is no program planned in FY 1998 and FY 1999.

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 130 PAGE NO. 2 OF 17

**UNCLASSIFIED** 

	BUD	GET ITEM JU	N SHEET	DATE:						
			P-40		February 1997					
APPROPRIATION/B	UDGET ACT	IVITY	P-1 ITEM NOM	IENCLATURE						
Other Procuremen	ıt, Navy			WEAPONS RANGE SUPPORT EQUIPMENT 43SC						
<b>BA3-AVIATIONS</b>	SUPPORT E	QUIPMENT								
	FY 1996	FY 1997	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003			
QUANTITY										
COST (IN MILLIONS)	47.2	27.1	15.7	31.7	35.5	35.1	36.1			

### SHALLOW WATER RANGE (SW RANGE):

Existing underwater ranges are situated in deep water and cannot provide training in ASW tactics employed in shallow coastal waters. A Mission Needs Statement (MNS) for Shallow Water training instrumentation has been endorsed by both Atlantic and Pacific fleets and signed by N8: Fixed instrumentation is required to preclude the recurring cost of periodic retrieval and maintenance of mobile systems. FY 1997 funds the LANTFLT requirement for the procurement of the initial increment of a 125 square NM shallow water range and range control equipment at Onslow Bay, NC.

### COMMUNICATIONS UPGRADE (TWENTYNINE PALMS):

Certain training sites within the Twentynine Palms' operating area do not have communications with the Twentynine Palms BEARMAT control facility. FY 1997 funding will procure eight solar powered communications suites and a backbone microwave link back to BEARMAT for continuous communications with aircraft and ground personnel operating throughout the Twentynine Palms operating area. Installation support for FY97 is for site preparation at Twenty-Nine Palms.

### JOINT TACTICAL COMBAT TRAINING SYSTEM (JTCTS):

The Joint Tactical Combat Training System (JTCTS) will develop and procure fixed, transportable, and mobile range instrumentation equipment for the USN and USAF for both shore-based (aircrew training) and deployable (ship/sub/aircrew training) applications. JTCTS instrumentation will transmit exercise scenarios; simulate/stimulate all exercise participants sensors/weapons with the exercise scenario; track all exercise participants and events, e.g., weapons engagements; and, provide accurate, realistic, and timely exercise feedback. JTCTS will build on technology developed for existing tactical training range systems including the Tactical Aircrew Combat Training Systems, Mobile Sea Range, Large Area Tracking Range, and the capabilities developed for the in-port Battle Force Tactical Trainer program. JTCTS will incorporate the Defense Modeling and Simulation Office sponsored Distributed Interactive Simulation protocol data unit and the High Level Architecture for interoperability with Navy and other service live, virtual (simulators), and constructive (war games) simulations. FY-99 funding will procure (1) low rate initial production for establishing initial operational capability for the Littoral Warfare Training Complex (LWTC).

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CLASSIFICATION:

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	BUD	GET ITEM JU	N SHEET	DATE:						
			P-40		February 1997					
APPROPRIATION/B	SUDGET ACT	IVITY	P-1 ITEM NOM	IENCLATURE						
Other Procuremen	ıt, Navy			WEAPONS RANGE SUPPORT EQUIPMENT 43SC						
<b>BA3-AVIATIONS</b>	SUPPORT E	QUIPMENT								
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003		
QUANTITY										
COST (IN MILLIONS)	47.2	27.1	31.7	35.5	35.1	36.1				

### **SOCAL COMM UPGRADE:**

The existing data links at the remote training sites on San Clemente Island (SCI) and the Range Operations Center (ROC) at North Island are inadequate to handle all of the data from new instrumentation systems. Planned training range instrumentation cannot be utilized until additional communication capability is provided. FY 1996 funding added data links between the main microwave site on San Clemente and various remote equipment sites. The expanded capability is required to support OTH-T communications, Large Area Tracking Range (LATR), EW range expansion, and Joint Tactical Combat Training System (JTCTS). It will provide Mt. Thirst to REWS connectivity, North Island connectivity, RF systems upgrade, a LAMPS III Repeater, expanded digital data links between North Island and SCI, an HF Upgrade, and a VHF/UHF Upgrade.

### LITTORAL WARFARE TRAINING COMPLEX (LWTC):

Existing training facilities in the eastern U.S. area are widely diverse and are not presently interoperable. A Mission Needs Statement (MNS) for an LWTC has been endorsed by LANTFLT Navy and Marine Commands that will result in an ability to provide required training to individuals through multi-joint force units using existing and newly acquired instrumentation. Installation support is required in FY 1997 to install consoles, workstations, communciation (UHF/VHF/Intercom) at Camp Lejeune, NC. There is no program planned in FY 1998 and FY 1999.

### **TELEMETRY EQUIPMENT:**

The Telemetry Equipment program will upgrade and modernize equipment, inclusive of related target control systems/equipment, at Fleet Telemetry (TM) stations and the Pacific Missile Range Facility (PMRF). These stations are located in Greece, Puerto Rico, Virginia and Hawaii. Present telemetry stations are based on telemetry requirements established in the early 1970s. Since then, missiles have advanced in sophistication and complexity

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CLASSIFICATION:

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UNCLASSIFIED

	BUD	GET ITEM JU	JSTIFICATIO	N SHEET					
			P-40			ry 1997			
APPROPRIATION/B	UDGET ACT	IVITY	P-1 ITEM NOM	ENCLATURE					
Other Procuremen	t, Navy			<b>WEAPONS RANGE SUPPORT EQUIPMENT 43SC</b>					
<b>BA3-AVIATIONS</b>	SUPPORT E	QUIPMENT							
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
QUANTITY									
COST (IN MILLIONS)	47.2	27.1	15.7	31.7	35.5	35.1	36.1		

including a move from analog to digital technology. Prior year funding has provided modest on-going improvements and modernization programs to replace least reliable equipments and meet the most urgent telemetry requirements for new weapon systems. The only exception being the Puerto Rico Station. Consequently, the stations have become increasingly difficult and expensive to maintain and are not suited to handling the new digital TM formats required by new emerging weapon systems.

FY 1997 funding will continue to upgrade the tracking, processing, and display elements of PATAS and upgrade the AFWTF TM station. There is no program planned in FY 1998 and FY 1999.

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CLASSIFICATION:

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DD Form 2454, JUN 86

	١	WEAPONS S	SYSTEN P.	II COST ANALYS	SIS				DATE:	oruary 1997
Other	PRIATION/BUDGET ACTIVITY Procurement, Navy AVIATION SUPPORT EQUIPM	MENT		P-1 ITEM NOMENO WEAPONS RA	т	43SC				
						COST IN THOUSAN				
COST	ELEMENT OF COST	IDENT CODE		FY 1996	FY 1997		FY 1998			FY 1999
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
SC002	AIRCREW EW TRAINING RANGES	N/A		[3,188]						
	Yuma Threat Emitters Comm System Interface		5	3,188						
SC003	WISS REPLACEMENT	N/A	15	8,073						
SC004	SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM)	N/A	N/A	5,426	N/A	5,574	N/A	2,061	N/A	2,50
	TOTAL VI 2446IUN 86	P-1 SHC						CI ASSIFICATION:		

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 130 PAGE NO. 6 OF 17

	WEA	PONS	SYSTEM P	M COST ANALY: -5	SIS				DATE:	oruary 1997
APPRO	PRIATION/BUDGET ACTIVITY			P-1 ITEM NOMEN	CLATURE	E/SUBHEAD			1	
Other	Procurement, Navy					43SC				
BA 3 -	<b>AVIATION SUPPORT EQUIPMEN</b>	IT		<b>WEAPONS</b> RA	Т					
					OLLARS					
COST	ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997		FY 1998		FY 1999
0052		0022	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
SC007	TACTICAL AIRCREW COMBAT TRAINING SYSTEM (TACTS)	N/A		[2,025]						
	Fallon/Nellis Microwave Link									
	Yuma Low Altitude TACTS Tracking		1	586						
	Cherry Point Upgrade		1	1,439						
	TACTS Control & Computational Subsystem				4	1,250				
SC012	SW RANGE (LANT)				1	12,560				
SC018	COMM UPGRADE (TWENTYNINE PALMS)	N/A	1		N/A	787				
SC020	JTCTS	N/A							1	9,270
SC028	PACIFIC MISSILE RANGE FACILITY UPGRADE (PMRF)	N/A	1	9,462						
SC037	SOCAL COMM UPGRADE	N/A	N/A	5,899						
	TOTAL	I	l							

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 130 PAGE NO. 7 OF 17

	w	EAPONS S		M COST ANALYS	SIS				DATE:			
	PRIATION/BUDGET ACTIVITY  Procurement, Navy		<u> </u>	-5 P-1 ITEM NOMENO	CLATURE	E/SUBHEAD			43SC	oruary 1997		
	AVIATION SUPPORT EQUIPMI	ENT		WEAPONS RANGE SUPPORT EQUIPMENT								
				1	TOTAL (	COST IN THOUSAN	DS OF D	OLLARS				
COST	ELEMENT OF COST	IDENT CODE		FY 1996	FY 1997			FY 1998	FY 1999			
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST		
SC040	LITTORAL WARFARE TRAINING COMPLEX			[719]								
	MAEWR ROCC											
	Low Alt Tracking MCB Camp Lejeune											
	Comm Suite		1	719								
SC601	TELEMETRY		N/A	1,203	N/A	1,000						
SC831	Production Engineering, Other Ranges	N/A	N/A	6,574	N/A	3,108	N/A	1,535		2,33		
SC860	Acceptance Test & Evaluation	N/A	N/A	1,082	N/A	1,047	N/A	155		8		
SC971	ILS, Other Ranges	N/A	N/A	2,063	N/A	967	N/A	810		1,02		
SC900	Installation of Equip-Non FMP	N/A	N/A	1,473	N/A	800	N/A	297		45		
	TOTAL			47,187		27,093		4,858		15,67		

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# **UNCLASSIFIED**

	BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)  A.											
B. APPROPRIATION/BUDGET AC Other Procurement, Nav AVIATION SUPPORT EC	vy			C. P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT					February 1997 43SC			
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE		
SC002 AIRCREW EW							l					
YUMA: Threat Emitters 1996	CTA RIDGECREST, CA	CPAF	NAWC-WD CL, CA	03/96	09/97	5	*3,188	YES	NO	N/A		

D.	REMARKS
ID.	

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<sup>\*</sup> Unit cost varies with Threat Configuration: Total cost shown.

# **UNCLASSIFIED**

		BUDGET PROCUR	REMENT HIS	TORY AND PLAI	NNING E	XHIBIT (	P-5A)			A. DATE Febru	ary 1997
B. APPROPRIATION/BUDGE Other Procurement, AVIATION SUPPORT	Nav	y			C. P-1 ITE WEAPO EQUIPM	ATURE SE SUPPO	RT	SUBHEAD 43SC			
Cost Element/ FISCAL YEAR		CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
SC003 WISS REPL											
	1996	NWAD, CORONA, CA	PX	NAVAIR	02/96	03/97	15	**8,073	YES	NO	N/A
SC004 SYS REPL & MOD											
	1996	VARIOUS	VARIOUS	FED IND SUP CTR	*	08/96	N/A	5,426	YES	NO	N/A
	1997	VARIOUS	VARIOUS	FED IND SUP CTR	*	08/97	N/A	5,574	YES	NO	N/A
	1998	VARIOUS	VARIOUS	FED IND SUP CTR	*	08/98	N/A	2,061	YES	NO	N/A
	1999	VARIOUS	VARIOUS	FED IND SUP CTR	*	08/99	N/A	2,506	YES	NO	N/A

## D. REMARKS

DD Form 2446-1, JUL 87 ITEM NO. 130 PAGE NO. 10 OF 17 CLASSIFICATION:

<sup>\*</sup>SRAM consists of approximately 70 projects each FY with award dates starting when funds are released and continuing until 31 MARCH of current FY.

<sup>\*\*</sup>Total cost is shown. Unit cost will vary by site, due to unique turnkey installation requirements and range unique configurations.

# **UNCLASSIFIED**

	BUDGET PROCUR	EMENT HIS	TORY AND PLA	NNING E	XHIBIT (	P-5A)			A. DATE Febru	ıary 1997
B. APPROPRIATION/BUDGET ACT Other Procurement, Navy AVIATION SUPPORT EQ	у			C. P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT					43SC	
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
SC007 TACTS										
YUMA LOW ALT TACTS 1996	ADTI SAN DIEGO, CA	C/FFP	NAWC-AD PX, MD	02/96	11/96	1	586	YES	NO	N/A
CHERRY PT UPGRADE 1996	ADTI SAN DIEGO, CA	C/FFP	NAWC-AD PX, MD	03/96	10/96	1	1,439	YES	NO	N/A
TACTS CCS 1997	CTA RIDGECREST, CA	CPAF	NAWC-WD CL, CA	01/97	10/97	4	313	09/96	N/A	N/A
<u>SC012 SW RANGE</u> 1997	TBD	FPIF	NAVAIR	05/97	07/99	1	12,560	YES	NO	N/A
SC018 COMM UPGRADE  TWENTY-NINE PALMS 1997	NWAD, CORONA, CA	PX	NAVAIR	12/96	12/98	N/A	787	YES	NO	N/A
<u>SC020 JTCTS</u> 1999	RAYTHEON PORTSMOUTH, RI	FP	NAVAIR	01/99	06/00	1	9,270	10/98	NO	NO
SC028 PMRF UPGRADE 1996	VARIOUS	PX	NAVAIR	01/97	07/97	1	9,462	YES	NO	N/A

D. REMARKS

DD Form 2446-1, JUL 87 ITEM NO. 130 PAGE NO. 11 OF 17 CLASSIFICATION:

# **UNCLASSIFIED**

CLASSIFICATION:			NOOII ILL								
	BUDGET PROCUE	REMENT HIS	TORY AND PLA	NNING E	XHIBIT (	P-5A)			A. DATE		
								T.	February 1997		
B. APPROPRIATION/BUDGET ACT Other Procurement, Nav. AVIATION SUPPORT EQ	y			C. P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT					SUBHEAD 43SC		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE	
SC037 SOCAL COMM UPGRADE 1996 SC040 LITTORAL WARFARE	VARIOUS	PX	NAVAIR	02/97	02/98	N/A	5,899	YES	NO	N/A	
TRAINING COMPLEX (LWTC)  COMM SUITE 1996	NAWC-AD PX, MD	C/FFP/PO	NAVAIR	07/96	09/96	1	719	YES	NO	N/A	
SC601 TELEMETRY	VARIOUS VARIOUS	C/FFP/PO C/FFP/PO	NWAD, CA NWAD, CA	02/96 02/97	08/97 06/98	N/A N/A	1,203 1,000	YES YES	NO NO	N/A N/A	
D. DEMARKO											

D. REMARKS

DD Form 2446-1, JUL 87 ITEM NO. 130 PAGE NO. 12 OF 17 CLASSIFICATION:

**UNCLASSIFIED** CLASSIFICATION:

МО	•	HIBIT P-3N	)	RY			DATE February	/ 1997	
APPROPRIATION/BUDGET ACTIVI Other Procurement, Navy BA 3 - AVIATION SUPPORT	TY	llars in Mil	lions)			IOMENCLAT		43SC ORT EQUI	PMENT
System/Modification	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TOTAL
SRAM WISS LOW LEVEL (CH PT) FALLON/NELLIS LINK CH PT UPGRADE COMM UP/29 PALMS YUMA , LOW IRDS SWR	0.6 0.2 0.2 0.2 0.1 - 0.2	0.6 - - 0.1 0.1 - -	0.3	0.5 - - - - - -	0.6 - - - - - 0.1 0.3	- - - - - 0.1	0.7	0.7 - - - - - - 0.4	4.7 0.2 0.2 0.2 0.2 0.1 0.2 0.2 1.6
* NUMBERS ARE ROUNDED.									
1/-Actual labor costs for installing equrequired for site preparation and adva 2/-No P-3A exhibit submitted for FY 2	anced planning	only . Base	d on this, no						
TOTAL	1.5	0.8	0.3	0.5	1.0	1.3	1.1	1.1	7.6

ITEM NO.

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INDIVIDUAL MODIFICATION

MODIFICATION TITLE: Cherry Point Upgrade MODELS OF SYSTEM AFFECTED: N/A

DESCRIPTION/JUSTIFICATION:

P3A

The future Littoral Warfare Training Complex (LWTC) will link existing independent training areas, facilities, and instrumentation assets to form an expanded training complex to support NAVAL/JOINT Force Training requirements. Exisiting training assets proposed to be linked with LWTC include: VACAPES operating areas, Navy Dare County Mid-Atlantic EW Range, Cherry Point TACTS, MCOLF Atlantic, MCALF Bogue, Camp Lejeune, Camp Geiger, Camp Davis, and MCAS New River.

Atlantic, MCALF Bogue, Camp L						Product			JINGV	v 1717C	JI.									
	FY 1996			_	`	1998	,	1999	FY	2000	FY	2001	FY:	2002	FY	2003	-	ΓC	то	<u>TAL</u>
	QTY	\$	QTY		QTY	\$	QTY		QTY		QTY	\$	QTY	\$	QTY	\$	QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																				
RDT&E																			0	0.0
<u>PROCUREMENT</u>																				
INSTALLATION KITS	1	1.4																	1	1.4
INSTALLATION KITS NONRECURRIN	G																		0	0.0
INSTALLATION KITS (UNIT COSTS)																				
EQUIPMENT																			0	0.0
EQUIPMENT NONRECURRING																			0	0.0
ENGINEERING CHANGE ORDERS DATA																			0	0.0
TRAINING EQUIPMENT																			0	0.0
SUPPORT EQUIPMENT																			0	0.0
OTHER																			0	0.0
INTERIM CONTRACTOR SUPPORT																			0	0.0
INSTALLATION OF HARDWARE																				
FY 1996 EQUIPMENT & PRIOR	(1 KIT)	0.1		0.1															0	0.2
FY 1997 EQUIPMENT	,																		0	0.0
FY 1998 EQUIPMENT																			0	0.0
FY 1999 EQUIPMENT																			0	0.0
FY 2000 EQUIPMENT																			0	0.0
FY 2001 EQUIPMENT																			0	0.0
FY 2002 EQUIPMENT																			0	0.0
FY 2003 EQUIPMENT																			0	0.0
TO COMPLETE																			0	0.0
TOTAL INSTALLATION COST	0	0.1	0	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.2
TOTAL PROCUREMENT COST	1	1.5	0	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.6
TOTAL COST	1	1.5	0	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.6
METHOD OF IMPLEMENTATION:	Contrac	t/Field	Contra	ct Tear	m	ADM	INISTR	RATIVE	LEAD	TIME:	5 MO	S	PROD	UCTIO	ON LEA	ADTIM	E7 MO	S		
CONTRACT DATE:	FY 1996	6:		03/96		FY 19	997:	N/A			FY 19	98:	N/A							
PRODUCTION DELIVER DATE:	FY 1996	6:		10/96		FY 19	997:	N/A			FY 19	98:	N/A							
THE TOTAL PROGRAM QUANITY REF	LECTS T	HE IN	VENTO	RY OB	JECTI\	/E FOR	THIS	ITEM.												P-3A

# CLASSIFICATION: UNCLASSIFIED P3A (Continued)

DOA (Ossatissassat)	ONOLAG	<u> </u>							INID"	<u>//D/:</u>	A 1 -		-10 *	TIO:	1./0:		1\																	
P3A (Continued)									INDI	VIDU	ALM	IODII	FICA	TION	l (Cor	itinu	ed)																	ļ
MODIFICATION TIT	LE: Cherry	/ Poir	nt Upo	grade	!																													
INSTALLATION	SCHEDULE	≣:																																
INPUT ===>	FY 1996		FY 1					<u> 1998</u>			<u>FY 1</u>				FY 2				FY 2				FY 2				FY 2				<u>T</u>			
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	TOTAL
FY 1996 & Prior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 1997	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FY 1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TO COMPLETE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																														TOT	AL IN	IPUT		1
OUTPUT ==>	FY 1996		FY 1	1997			FY '	1998			FY 1	1999			FY 2	2000			FY 2	001			FY 2	2002			FY 2	2003			I	<u>C</u>		
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	TOTAL
FY 1996 & Prior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 1997	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FY 1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TO COMPLETE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																	,																	
																														TOT	AL O	UTPL	JΤ	1
																																		P-3A
													IT	EM	130		PA	GE	15 O	F 17								CLA	SSIF	ICATI	ON:	UNC	LAS	SIFIED

		REQUIREMENT	S STUDY - NO	OT-INSTALLED NO	NCONSUMAE	BLES P-23B			DATE:	ruary 1997
APPROPRIATION/BUDGET ACTIV	/ITY				P-1 ITEM NOMENO					
Other Procurement, Navy					43SC WEAPONS R	ANGE SUPPORT EQU	IPMENT			43SC
BA 3 - AVIATION SUPPORT	EQUI	PMENT		Т	QUANTITY	QUANTITY	PLANNED	PLANNED	T	T
ITEM/PROJECT UNIT		TOTAL IO / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	DUE IN WITH FY 96 & PRIOR FUNDS	DUE IN WITH FY 97 PROGRAM FUNDS	BUDGET YEAR PROCUREMENT FY 98	BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
1. SC001 REWS EWRN SC002 AIRCREW EW	Л	2	0	*1	0	0	0	0	1	FISC CONSTRAINTS
2. THREAT EMITTER		146	0	30	24	0	0			
3. MACCS		1	0	0	1			0	92	FISC CONSTRAINTS
4. AVENGER		6	0	0	4	0	0	0	0	
5. SC003 WISS		24	0	0	24	0	0	0	2	FISC CONSTRAINTS
6. SC007 FALLON/NELLIS	3	1	0	0	1	0	0	0	0	
7. SC007 YUMA LOW ALT	•	1	0	0	1	0	0	0	0	
8. SC007 CHERRY PT UP	RD	1	0	0	1	0	0	0	0	
9. SC007 TACTS CCS		4	0	0	0	4	0	0	0	
10. SC012 SW RANGE		4	0	0	*1	1	0	0	2	FISC CONSTRAINTS
ITEM #1 SC001 RANGE EW SIM		ITEM #2 SC002 AIRCREW E	<u>N</u>	ITEM #3 SC002 AIRCREW EW		ITEM #4 SC002 AVENGER		·!	ITEM #5 SC003 WISS	
		THREAT EMITTERS		MACCS:						
AFWTF	1	YUMA	21	CHERRY PT.	1	MCAS YUMA		<u>6</u>	LANT	10
SOCAL*	1	FALLON	68	TOTAL	1	TOTAL		6	PAC	<u>14</u>
TOTAL	2	CHERRY PT	49						TOTAL	24
		PINECASTLE	<u>8</u>							
		TOTAL	146							
* 1 R&D FUNDED UNI	T									
ITEM #6		ITEM #7		ITEM #8		ITEM #9			ITEM #10	
SC007 FALLON/NELLIS:		SC007 YUMA LOW	<u>ALT</u>	SC007 CHERRY PT		SC007 TACTS CCS	<u>3:</u>		SC012 SW RANG	<u>iE:</u>
				UPGRADE					LANT	
NAS FALLON	1	MCAS YUMA	1	MCAS CH PT	1	NAS FALLON		1	CAMP LEJ	1
TOTAL	1	TOTAL	1	TOTAL	1	MCAS CH PT		1	PAC	1
	•		•		·	MCAS BEAUF		1	PMRF*	·
						MCAS YUMA		1	SOCAL	4
								1 4		1
						TOTAL		4	WESTPAC	1
*DMPE funded with PDT%E						1		CI ASSIEICATIO	TOTAL	4

\*PMRF funded with RDT&E. P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO 130 PAGE NO 16 OF 17

	REQUIREMENT	rs study - No	OT-INSTALLED NO	NCONSUMA	BLES P-23B			DATE:	
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQU				P-1 ITEM NOMENO		IPMENT		Feb	ruary 1997
ITEM/PROJECT UNIT	TOTAL I0 / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
<ol> <li>SC020 JTCTS</li> <li>SC027 CCN-II</li> <li>SC028 PMRF UPGRADE</li> <li>SC040 LWTC</li> </ol>	12 1 2 4	0 0 0 0	0 0 0 0	1 2	0 0 0 0	0 0 0 0	1 0 0 0	11 0 0 1	FISC CONSTRAINTS
COST CODE: ITEM #1 SC020 JTCTS	ITEM #2 SC027 CCN-II		ITEM #3 SC028 PMRF UPGRAI	DE.	ITEM #4 SC040 LWTC:				
NAWCAD PAX 1 LWTC, CH PT 1 NAS FALLON 1 CINCLANTFLT 2 CINCPACFLT 2 AFWTF 1 SCORE 1 YUMA 1 BEAUFORT 1 PACMISRANF 1 TOTAL 12	PMRF TOTAL	1 1	PMRF TOTAL	_	MCAS CH PT MCB LEJEUNE TOTAL		1 3 4		

P-1 SHOPPING LIST
ITEM NO 130

PAGE NO 17 OF 17

	BUDO	GET ITEM JU	JSTIFICATIO	N SHEET			DATE:	
			P-40				Februa	ry 1997
APPROPRIATION/BUD	GET ACTIVITY				P-1 ITEM NOM	ENCLATURE	-	
<b>Other Procureme</b>	nt, Navy							
<b>BA3 - Aviation Su</b>	pport Equip	ment			Expeditiona	ary Airfields	;	
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	5.8	1.5	1.3	5.1	3.1	8.0	8.2	8.3

EXPEDITIONARY AIRFIELDS (EAF)

This program provides for procurement of aircraft recovery equipment, landing mat and accessories, airfield lighting, and Visual Landing Aids for Naval Aviation Expeditionary Airfields (EAF).

This core funding level directly supports the procurement and fielding of operational expeditionary airfield systems in the three active duty Marine Aircraft Wings and one Reserve Marine Aircraft Wing, testing and training installations, and provides assets for use by the Marine Expeditionary Forces during contigency operations.

A total of forty-four (44) mobile arresting gear systems, as well as associated equipment, accessories, and service changes are procured and fielded with these funds. Equipment procurements are based on inventory shortfalls, product improvements to fill or correct known deficiencies, modernizing EAF equipment to improve maintainability, reliability, and safety-of-flight, and to keep pace with new aircraft and aircraft systems. Additionally, equipment procurements will facilitate forward deployment of EAF systems aboard Rapid Deployment Force/Maritime Prepositioning Squadron (RDF/MPS) ships which is a new operational requirement under the Marine Corps Master Plan, the Enhanced Maritime Prepositioning Squadron (EMPS) requirement, and the EAF 2000 concept.

The FY 1996 program provides for service change kit procurements to maintain and refurbish aging M-21 Arresting Gear (until the M-31 next generation Marine Corps mobile arresting gear is fully on line), F-70 Tool Kit service changes, Flatrack service changes to accommodate positioning EAF assets on MPS, and Production Engineering (PE) and Integrated Logistics Support (ILS) for EAF procurement products.

The FY 1997 budget request provides for service change kit procurements for F-70 tool kits to accommodate pre-positioning EAF assets on MPS, refurbish M-21 arresting gear, PE, and ILS for EAF procurement products.

The FY 1998 budget request provides for service change kit procurements for Minimum Operating Strip Lighting Systems (MOSLS), PE, and ILS for EAF procurement products.

The FY 1999 budget request provides for service change kit procurements for Minimum Operating Strip Lighting Systems (MOSLS), flatrack service changes to accommodate positioning EAF assets on MPS, PE, and ILS for EAF procurement products.

P-1 SHOPPING LIST

**CLASSIFICATION:** 

DD Form 2454, JUN 86 ITEM NO. 131 PAGE NO. 1

	W	EAPONS S		M COST ANALYS	SIS				DATE:	
Other F	PRIATION/BUDGET ACTIVITY Procurement, Navy Aviation Support Equipment		<u> </u>	P-1 ITEM NOMENO					Feb	ruary 1997
					TOTAL C	COST IN THOUSAN	DS OF D	OLLARS		
COST	ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997		FY 1998		FY 1999
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
SE 010	Service Change Kits F72 AM-2 Mat F70 Tool Kit Flatrack M21 MOSLS	A		5,161 (1,603) (1,048) (1,728) (782)		1,193 0 (475) 0 (718) 0		1,210 0 0 0 0		5,042 0 0 (1,292 0
SE 800	Integrated Logistic Supp			283		201		(1,210)		(3,750
SE 830	Production Engineering			309		134		20		5
	TOTAL // 2446, JUN 86	P-1 SHO	NDDING !	5,753		1,528		1,252 CLASSIFICATION:		5,14

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

	BUD	GET ITEM J	USTIFICATIO	ON SHEET			DATE:	
			P-40					ry 1997
APPROPRIATION/BUDG	GET ACTIVITY				P-1 ITEM NOM	IENCLATURE		
Other Procuremen	ıt, Navy							
<b>BA-3 - Aviation Su</b>	pport Equip	ment			A/C Rearmi	ing Equipmo	ent	
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST	,							
(In Millions) This program funds the p	\$7.5	\$9.1	\$10.4	\$13.2	\$13.0	\$13.2	\$13.5	\$13.8

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 132 PAGE NO. 1 OF 4

	WEAPON	S SYSTEM	COST P-	ANALYSIS 5			Dat	te: February 19	97	
APPRO	PRIATION/BUDGET ACTIVITY			P-1 ITEM NOMENO	CLATURE	E/SUBHEAD				
	Procurement, Navy									
BA-3 -	Aviation Support Equipment	1 1				Equipment			43SH	
					TOTAL C	COST IN THOUSAN	DS OF D	OLLARS		
COST CODE	ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997		FY 1998		FY 1999
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
SH004	Shipboard/Shorebased WSE									
	LALS II	Α	29	5,695	35	7,447	47	8,092	55	10,097
	HLU-196D/E BOMB HOIST	Α					2	162		
	MHU-202/M MUNITIONS TRAILER	Α							91	862
	Subtotal			5,695		7,447		8,254		10,959
SH830	Production Engineering			1,534		1,499		1,872		2,012
SH860	Accept Test and Evaluation			221		162		230		220
				7.450		0.409		10.256		42.40
DD EOP	M 2446, JUN 86	P-1 SHC	DDING I	<b>7,450</b>		9,108		10,356 CLASSIFICATION:		13,19

DD FORM 2446, JUN 86 P-1 SHOPPING LIST

ITEM NO. 132 PAGE NO. 2 0F 4

## **UNCLASSIFIED**

CLASSIFICATION.	BUDGET PROCUREM		RY AND PLANN		BIT (P-5A)				A. DAT	E
					, ,					ary 1997
B. APPROPRIATION/				C. P-1 ITEM	NOMENCLATU	RE		SUBHEAD	•	
Other Procurement,										
BA-3 - Aviation Supp	ort Equipment	I CONTRACT	1	A/C Rear	ming Equi	pment	1	SPECS	43SH SPEC	I IF YES
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	FIRST DELIVERY	QUANTITY	UNIT COST (000)	AVAILABLE NOW	REV REQ'D	WHEN AVAILABLE
SH004										
LALS II										
FY 1996	WESTERN DESIGN CORP	FP/OPTION	NAWC PT MUGU	12/23/95	10/1/96	29	196.4*	YES	NO	
FY 1997	WESTERN DESIGN CORP	FP/OPTION	NAWC PT MUGU	12/1/96	9/1/97	35	212.8*	YES	NO	
FY 1998	TBD	C/FFP	NAWC PT MUGU	12/1/97	10/1/98	47	172.2	YES	NO	
FY 1999	TBD	FP/OPTION	NAWC PT MUGU	12/1/98	10/1/99	55	183.6*	YES	NO	
HLU-196D/E BOMB HOIST										
FY 1998	TBD	TBD	NAWCAD LKE	12/1/97	12/1/98	2	81.0	NO 3/1/97	NO	
MHU-202/M MUNITIONS										
TRAILER										
FY 1999	VERVAL ENTERPRISES	TBD	NAWCAD LKE	12/1/99	12/1/00	91	9.5	YES	NO	

D. REMARKS

DD Form 2446-1, JUL 87 ITEM NO. 132 PAGE NO. 3 0F 4 CLASSIFICATION:

<sup>\*</sup> FY 96 LALS II procurement included an EPA charge; FY 97 includes procurement of data rights for drawing and tooling; FY 99 included procurement of ancilliary equipment; (33) LALS II replenishers at a unit cost of \$29,501. The aforementioned requirements increased the average unit cost.

	REQUIREMENT	S STUDY - NO	T-INSTALLED	NONCONSUMA	BLES P-23B			DATE	February 1997
APPROPRIATION/BUDGET ACTIV	TY			P-1 ITEM NOMENCLA	ATURE			<b>.</b>	
BA-3 - Aviation Support Equipme	nt			A/C Rearming Equip		_	_		
ITEM/PROJECT UNIT	TOTAL IO / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 94 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 95 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 96	PLANNED BUDGET YEAR PROCUREMENT FY 97	BALANCE	PHASING RATIONALE
. LALS II	270	0	0	34	35	47	55	99	AFFORDABILITY
2. HLU-196D/E BOMB HOIS	т 700	0	0	0	0	2	0	698	AFFORDABILITY
3. MHU-202/M MUNITIONS TRAILER	704	0	0	408	0	0	91	205	AFFORDABILITY
			MEMO ENT	RIES					
COST CODE: TEM #1 CV/CVN 108 MARINES 57 MPD/RDF 33 NAVY SHORE 72	ITEM #2 CV/CVN NAVY SHORE	360 340	ITEM #3 NAVY SHORE	704					
TOTAL 270	TOTAL	700	TOTAL	704					

P-1 SHOPPING LIST

ITEM NO 132 PAGE NO 4 OF 4

CLASSIFICATION:

## **UNCLASSIFIED**

	BUD	GET ITEM J	USTIFICATION	N SHEET			DATE:	
			P-40				Feb	ruary 1997
APPROPRIATION/BUD	GET ACTIVITY				P-1 ITEM NOM	ENCLATURE		
Other Procurement	nt, Navy				AIRCRAF	T LAUNCH AND	RECOVERY EQ	UIPMENT (ALRE)
<b>BA 3 AVIATION S</b>	<b>UPPORT EQU</b>	JIPMENT						
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	<b>\$16.5</b>	\$28.2	\$29.6	\$39.3	\$43.3	\$38.0	\$36.0	\$39.5

This program provides for procurement of major aircraft launch, recovery, and Visual Landing Aids (VLA) equipment as well as ancillary items required for installation in aircraft carriers, air capable combatant vessels, amphibious assault ships, and shore stations. Most procurements respond to: (1) urgent fleet problems associated with the safe and reliable operation of existing equipment, (2) expanding responsibilities in support of helicopter operations on Air Capable Ships (ACS) and Vertical Launch/Take-Off and Landing (V/STOL) aircraft, and (3) the demand for increased launch and recovery equipment reliability, maintainability, capability, and margin of safety.

Shipboard installed items procured under this program are for operational fleet carriers, air capable combatant vessels, and amphibious assault ships. Major equipment and service changes procured in support of the Fleet Modernization Program (FMP) are generally installed by shipyard personnel during routine or restricted availabilities and regular overhauls.

Non-FMP installations include minor equipments and service changes that are installed by Alteration Installation Teams (AIT) or Voyage Repair Teams (VRT) from the Naval Aviation Depots (NADEPs) under the direction of Fleet Type Commanders and the Naval Air Warfare Center, Aircraft Division, Lakehurst, NJ. Type Commanders determine shorebased installed item requirements.

The FY 1996 program consists of the following service change procurements: catapult-CV(N), arresting gear-CV(N), VLA-CV(N), catapult and fire-fighting support equipment-CV(N), Integrated Launch and Recovery Television System (ILARTS)-CV(N), and VLA-ACS. Also, funding for PE, ILS, ATE, and FMP/NFMP installations for FY 1996 and prior years is included.

The FY1997 program consists of the following service change procurements: catapult-CV(N) (one piece Flush Deck Nose Gear Launch and Low Loss Launch Valve), and Helicopter Landing Systems (HLS)-ACS. Also, funding for P-25 Fire Trucks, PE, ILS, ATE, and FMP/NFMP installations for FY 1997 and prior years is included.

The FY 1998 budget request consists of the following service change procurements: catapult-CV(N) (improved C-13-2 MOD piston), arresting gear-CV(N), VLA-ACS, and catapult and fire-fighting support equipment-CV(N). Also funding for Long Range Line-up System(LRLS), P-25 Fire Trucks, PE, ILS, ATE, and FMP/NFMP installations for FY 1998 and prior years is included.

The FY 1999 budget request consists of the following service change procurements: catapult and fire-fighting-CV(N), arresting gear-CV(N), VLA-CV(N), and HLS-ACS. Also, funding forLRLS, Integrated Shipboard Information System/Aviation Data Management and Control System (ISIS/AD-MACS), Improved Fresnel Lens Optical Landing System (IFLOLS), PE, ILS, ATE, and FMP/NFMP installations for FY 1999 and prior years is included.

Budget reflects the transfer of design services into the appropriate equipment P-1 line item beginning in FY 1998.

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 133 PAGE NO. 1 of 18

# **UNCLASSIFIED**

	W	EAPONS	SYSTE	M COST ANALY	SIS				DATE:	
			P.	-5					Feb	ruary 1997
APPRO	PRIATION/BUDGET ACTIVITY			P-1 ITEM NOMENO	CLATURE	SUBHEAD				
Other	Procurement, Navy									
BA 3 AVI	ATION SUPPORT EQUIPMENT			AIRCRAFT L	AUNC	H AND RECOV	ERY E	<b>QUIPMENT (A</b>	LRE)	43SJ
					TOTAL C	COST IN THOUSAN	DS OF D	OLLARS	•	
COST	ELEMENT OF COST	IDENT		FY 1996		FY 1997		FY 1998		FY 1999
CODE		CODE	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
			QII	101AL 0031	QII	101AL 0031	QII	101AL 0031	QII	101AL 0031
SJ 040	SERVICE CHANGE KITS LAUNCHER	Α		2,071		2,788		10,260		4,930
	Catapults - CV(N) Catapult Support Equipment - CV(N) VISUAL LANDING AIDS			(923) (38)		(2,388)		(5,165) (800)		(2,700)
	Visual Landing Aids - ACS Visual Landing Aids - CV(N) Integrated Launch & Recovery			(312) (30)				(1,360) (300)		(300)
	Television System - CV(N) RECOVERY			(400)						
	Arresting Gear - CV(N) Helicopter Landing System - ACS			(368)		(400)		(1,875) (760)		(670) (1,260)
SJ 210	LRLS - CV(N)	В					6	1,800	5	1,500
SJ 220	LRLS - Shorebased	В					6	900	7	1,050
SJ 230 SJ 240	ISIS/ADMACS - CV(N)	В							3	4,500
SJ 240 SJ 250	IFLOLS - CV(N) IFLOLS - Shorebased	B B							5 6	4,000 3,000
SJ 260	AS/32P-25 FIRE TRUCK	В			56	8,219	13	2,347	O O	3,000
SJ 800	INTEGRATED LOGISTICS SUPPORT			737		563		1,264		1,134
SJ 830	PRODUCTION ENGINEERING			1,913		1,907		2,747		3,033
SJ 860	ACCEPTANCE, TEST & EVALUATION			4		94		284		170
SJ 900	INSTALLATION - NFMP			8,414		11,147		8,738		7,676
SJ 910 TBD	INSTALLATION - FMP DESIGN SERVICE AGENT			3,344		3,518		883 407		7,390 928
	TOTAL			16,483		28,236		29,630		39,311
	M 2446 II IN 96	D 1 CHC						CL ASSIEICATION:		

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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# **UNCLASSIFIED**

	BUDGET PROCURE	MENT HISTOR	RY AND PLAN	NING EX	HIBIT (P	-5A)			A. DATE	
B. APPROPRIATION/BUDGET A	OTIVITY			lo paire	M NOMENCL	ATURE		IOUDUE A D	Febru	ary 1997
Other Procurement, Na				_		RECOVERY E		SUBHEAD		43SJ
BA 3 AVIATION SUPPO				AIRORALL	LACITOTIAND	RECOVERTE	QOII WENT (AI	 		4300
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
SJ260 AS/32P-25 FY 1997	The Entwistle Company Hudson, MA	Option to EMD* Contract (CPI)	NAWCAD LKE	2/97	1/98	56	146.8	Yes	Yes	7/96
SJ260 AS/32P-25 FY 1998	The Entwistle Company Hudson, MA	Option to EMD* Contract (CPI)	NAWCAD LKE	12/97	1/99	13	180.5	Yes	Yes	7/96
SJ210 LRLS - CV(N) FY 1998	TBD	FFP/OPTION**	NAWCAD LKE	11/97	10/98	6	300.0	Yes	No	N/A
SJ210 LRLS - CV(N) FY 1999	TBD	FFP/OPTION**	NAWCAD LKE	11/98	10/99	5	300.0	Yes	No	N/A
SJ220 LRLS - Shorebased FY 1998	TBD	FFP/OPTION**	NAWCAD LKE	11/97	10/98	6	150.0	Yes	No	N/A
SJ220 LRLS - Shorebased FY 1999	TBD	FFP/OPTION**	NAWCAD LKE	11/98	10/99	7	150.0	Yes	No	N/A
SJ230 ISIS/ADMACS FY 1999	NAWCAD LKE***	FFP	NAWCAD LKE	11/98	10/99	3	1,500.0	Yes	No	N/A
SJ240 IFLOLS - CV(N) FY 1999	HUGHES-INDY	FFP	NAWCAD LKE	11/98	10/99	5	800.0	Yes	No	N/A
SJ250 IFLOLS - Shorebased FY 1999	HUGHES-INDY	FFP	NAWCAD LKE	11/98	10/99	6	500.0	Yes	No	N/A

## D. REMARKS

DD Form 2446-1, JUL 87 ITEM NO. 133 PAGE NO. 3 Of 18 CLASSIFICATION:

<sup>\*</sup>Engineering & Manufacturing Development

<sup>\*\*</sup>Options to EMD contract

<sup>\*\*\*</sup> NAWCAD LKE will act as the systems integrator.

MO	•	STALLAT IIBIT P-3N Ilars in Mil	1)	<b>MARY</b>			DATE Februa	ry 1997	
APPROPRIATION/BUDGET A Other Procurement, Na BA 3 AVIATION SUPPO	ACTIVITY:		illoris)			NOMENCL	ATURE	RY EQUIPME	ENT (ALRE)
System/Modification			FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TOTAL
SERVICE CHANGES									
Launcher Related	5.8	9.5	6.8	5.7	3.9	3.2	10.9	12.0	57.7
VLA Related	0.9	2.7	1.5	3.1	2.9	0.7	0.5	2.3	14.5
Recovery Related	3.2	1.5	1.5	3.3	3.2	2.6	1.7	4.8	21.7
LRLS - CV(N) LRLS - Shorebased			0.2	1.1 0.8	0.6 0.7	0.8			1.9 2.3
IFLOLS - CV(N) IFLOLS - Shorebased				0.7	1.3 0.7	1.7 0.8	0.8		3.7 2.3
ISIS/ADMACS				1.4	1.5	3.2	1.9		8.0
V/STOL OLS	1.9	1.0							2.9
TOTAL	11.8	14.7	10.0	16.0	14.7	12.9	15.8	19.0	115.0

P-1 SHOPPING LIST

ITEM NO. 133 PA

PAGE NO. 4 of 18

**UNCLASSIFIED** 

CLASSIFICATION:

CLASSIFICATION: UNCLASSIFIED РЗА INDIVIDUAL MODIFICATION MODIFICATION TITLE: LAUNCHER RELATED SERVICE CHANGES AND HARDWARE MODELS OF SYSTEM AFFECTED: VARIOUS DESCRIPTION/JUSTIFICATION: LAUNCHER RELATED SERVICE CHANGES FOR CV'S, CVN'S, AND AIR CAPABLE SHIPS (ACS). DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FY 1996 & Prior FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 **TOTAL** QTY QTY QTY QTY QTY QTY QTY QTY QTY \$ QTY \$ \$ \$ \$ \$ \$ \$ \$ FINANCIAL PLAN (IN MILLIONS) RDT&E **PROCUREMENT** 22.163 \* 2.388 \* 5.965 \* 2.700 \* 6.540 \* 10.940 \* 15.941 \* 12.024 **INSTALLATION KITS** 78.661 INSTALLATION KITS - NONRECURRING **EQUIPMENT EQUIPMENT - NONRECURRING ENGINEERING CHANGE ORDERS** TRAINING EQUIPMENT SUPPORT EQUIPMENT OTHER: PΕ 0.578 0.363 0.194 0.090 0.526 1.855 0.100 0.787 ILS 0.017 0.173 0.069 0.246 1.392 ATE 0.094 0.300 0.007 0.005 0.008 0.414 **INSTALLATION SUPPORT** INTERIM CONTRACTOR SUPPORT INSTALLATION OF HARDWARE FY 1996 EQUIPMENT & PRIOR (Various Kits) 39.873 9.325 5.855 5.256 1.932 1.908 10.082 11.315 85.546 FY 1997 EQUIPMENT (Various Kits) 0.220 0.335 0.400 0.955 0.166 FY 1998 EQUIPMENT (Various Kits) 0.644 0.043 0.569 1.422 FY 1999 EQUIPMENT (Various Kits) 0.018 0.018 FY 2000 EQUIPMENT (Various Kits) 1.420 0.776 2.196 FY 2001 EQUIPMENT (Various Kits) 0.539 0.539 FY 2002 EQUIPMENT (Various Kits) 0.634 0.634 \* 0.649 FY 2003 EQUIPMENT (Various Kits) 0.649 TO COMPLETE EQUIPMENT TOTAL INSTALLATION COST 39.873 \* 9.545 6.834 5.717 3.921 3.223 \* 10.882 \* 11.964 91.959 TOTAL PROCUREMENT COST 12.705 13.479 8.521 10.828 14.329 27.600 62.036 24.783 174.281 TOTAL COST 62.036 12.705 13.479 8.521 10.828 14.329 27.600 24.783 174.281 ADMINISTRATIVE LEADTIME: VARIOUS PRODUCTION LEAD TIME: VARIOUS METHOD OF IMPLEMENTATION: DEPOT CONTRACT DATE: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: VARIOUS PRODUCTION DELIVER DATE: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: VARIOUS INSTALLATION SCHEDULE: FY02 FY03 FY96 FY97 FY98 FY99 FY00 FY01 TC TOTAL 1, 2, 3, 4 1, 2, 3, 4 1, 2, 3, 4 1, 2, 3, 4 1, 2, 3, 4 1, 2, 3, 4 1, 2, 3, 4 1, 2, 3, 4 **INPUT** Various OUTPUT Various No single ALRE Launcher related service change exceeds \$2M.

Reflects numerous sevice changes of varying types on various Aircraft Laundh and Recovery Equipment

ITEM 133 PAGE 5 of 18

CLASSIFICATION: UNCLASSIFIED

P-3A

P3A INDIVIDUAL MODIFICATION MODIFICATION TITLE: VISUAL LANDING AIDS RELATED SERVICE CHANGES AND HARDWARE MODELS OF SYSTEM AFFECTED: VARIOUS DESCRIPTION/JUSTIFICATION:

VISUAL LANDING AIDS RELATED SERVICE CHANGES FOR CV'S, CVN'S, AND AIR CAPABLE SHIPS (ACS), VISUAL LANDING AIDS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES																	_		_	
	FY 1996 8 QTY	<u>k Prior</u> \$	FY QTY	1997 \$		<u>1998</u> \$	<u>FY</u> QTY	1999 \$	FY QTY	2000 \$	FY QTY	<u>2001</u> \$		<u>2002</u> \$		<u>2003</u> \$		<u>ГС</u> \$		OTAL \$
FINANCIAL PLAN (IN MILLIONS)	Ψ	Ψ	<u> </u>	<u> </u>	Ψ	<u> </u>	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	<u> </u>	Ψ	Ψ	Ψ	Ψ	<u> </u>	Ψ
RDT&E																				
PROCUREMENT																				
INSTALLATION KITS	*	2.463			*	1.660	*	0.300					*	0.600	*	2.000			*	7.023
INSTALLATION KITS - NONRECURRING																				
EQUIPMENT																				
EQUIPMENT - NONRECURRING																				
ENGINEERING CHANGE ORDERS																				
DATA																				
TRAINING EQUIPMENT																				
SUPPORT EQUIPMENT																				
PE			*	0.080	*	0.168										0.455			*	0.703
ILS			*	0.060		0.100								0.102		0.455			*	0.703
ATE		0.004		0.040										0.102						0.004
INSTALLATION SUPPORT		0.004																		0.004
NTERIM CONTRACTOR SUPPORT																				
NSTALLATION OF HARDWARE																				
FY 1996 EQUIPMENT & PRIOR (Various Kits)	*	4.998	*	2.677	*	1.555	*	1.081	*	0.616	*	0.683	*	0.555	*	2.055			*	14.220
FY 1997 EQUIPMENT (Various Kits)																				
FY 1998 EQUIPMENT (Various Kits)								2.025												2.025
TY 1999 EQUIPMENT (Various Kits)										2.242										2.242
FY 2000 EQUIPMENT (Various Kits)																				
FY 2001 EQUIPMENT (Various Kits)																				
FY 2002 EQUIPMENT (Various Kits)																				
FY 2003 EQUIPMENT (Various Kits)																0.253		3.097		3.350
TO COMPLETE EQUIPMENT																				
OTAL INSTALLATION COST		4.998	*	2.677	*	1.555	*	3.106	*	2.858	*	0.683	*	0.555	*	2.308		3.350	*	22.090
OTAL PROCUREMENT COST	*	7.465	*	2.805	*	3.383	*	3.406	*	2.858	*	0.683	*	1.257	*	4.763	*	3.097	*	29.717
OTAL COST	*	7.465	*	2.805	*	3.383	*	3.406	*	2.858	*	0.683	*	1.257	*	4.763	*	3.097		29.717
METHOD OF IMPLEMENTATION: DEPOT			ADM	INISTRA	ATIVE	LEADTI	ME: V	/ARIOUS	S		PRO	DUCTION	N LEA	D TIME	: VA	RIOUS				
	TY 1997: VAF	RIOUS				FY 1998						999: VAF								
PRODUCTION DELIVER DATE:	FY 1997: VAF	RIOUS				FY 1998	: VAR	NOUS			FY 19	999: VAF	RIOUS	3						
NSTALLATION SCHEDULE:		FY96		FY97		FY98		FY99		EV/00		EV/04		FY02		EV02		TC		TOTA
NOTALLATION SCHEDULE:		1, 2, 3, 4								FY00		FY01				FY03		IC		IOIA
INPUT		1, 2, 3, 4 Various		<u>1, 2, 3, ∠</u> Various		<u>1, 2, 3, 4</u> Various		<u>1, 2, 3, 4</u> Various		1, 2, 3, 4 Various		1, 2, 3, 4 Various		<u>1, 2, 3, 4</u> Various		<u>1, 2, 3, 4</u> Various		Various		Variou
OUTPUT		Various		Various		Various		Various		Various		Various		Various		Various		Various		Variou
0011 01		v anous		v anous		vanous				v anous		vanous								v anot

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: RECOVERY RELATED SERVICE CHANGES AND HARDWARE

MODELS OF SYSTEM AFFECTED: VARIOUS

DESCRIPTION/JUSTIFICATION:

RECOVERY RELATED SERVICE CHANGES FOR CV'S AND CVN'S, ARRESTING GEAR, CV, HLS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES	FY 1996	& Prior	FY	1997	FΥ	′ 1998	FY	1999	FY	2000	FY	2001	FY 20	002	FY 2003	<u>TC</u>	TC	OTAL
	QTY	\$	QTY		QTY		QTY	\$	QTY		QTY				QTY \$	QTY \$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																		
<u>RDT&amp;E</u>																		
<u>PROCUREMENT</u>																		
INSTALLATION KITS	*	26.445	*	0.400	*	2.635	*	1.930	*	1.315	*	0.865	* 0.	600	* 3.300		*	37.490
INSTALLATION KITS - NONRECURRING																		
EQUIPMENT																		
EQUIPMENT - NONRECURRING																		
ENGINEERING CHANGE ORDERS																		
DATA																		
TRAINING EQUIPMENT																		
SUPPORT EQUIPMENT																		
OTHER:																		
PE	*	0.351	*	0.483	*	0.690	*	0.193	*	0.317	*	0.129	* 0.	260			*	2.423
ILS	*	0.069	*	0.105	*	0.139	*	0.135	*	0.138	*	0.115	0.	163	0.119		*	0.983
ATE					*	0.015	*	0.030					0.	005	0.010		*	0.060
INSTALLATION SUPPORT																		
INTERIM CONTRACTOR SUPPORT																		
NSTALLATION OF HARDWARE																		
FY 1996 EQUIPMENT & PRIOR (Various Kits)	*	22.204	*	1.387	*	1.271	*	0.953	*	1.301	*	0.711	* 0	911	* 4.215		*	32.953
FY 1997 EQUIPMENT (Various Kits)		22.204	*	0.126		1.211		0.933		1.301		0.711	0.	911	4.213		*	0.126
FY 1998 EQUIPMENT (Various Kits)				0.120	*	0.250											*	0.120
FY 1999 EQUIPMENT (Various Kits)						0.230	*	2.358									*	2.358
FY 2000 EQUIPMENT (Various Kits)								2.330	*	1.897							*	1.897
FY 2001 EQUIPMENT (Various Kits)										1.037	*	1.873					*	1.873
FY 2007 EQUIPMENT (Various Kits) FY 2002 EQUIPMENT (Various Kits)												1.073	* 0	810			*	0.810
· · · ·													0.	010	* 0.583		*	0.583
FY 2003 EQUIPMENT (Various Kits) TO COMPLETE EQUIPMENT															0.565			0.565
TO COMPLETE EQUIPMENT																		
TOTAL INSTALLATION COST	*	22.204	*	1.513	*	1.521	*	3.311	*	3.198		2.584	* 1.	.721	* 4.798		*	40.850
OTAL PROCUREMENT COST	*	49.069	*	2.501	*	5.000	*	5.599	*	4.968	*	3.693	* 2	.749	* 8.227	,	*	81.806
TOTAL COST	*	49.069	*	2.501	*	5.000	*	5.599	*	4.968		3.693		.749	* 8.227		*	81.806
AFTLIOD OF IMPLEMENTATIONS DEPOT			A D. A.	INIIOTO	A TIV / C	LEADT	IN A.T. V	/A DIOL I	^		DDO	DUCTIO	NI EAD	TIN 45	· VADIOUIO			
METHOD OF IMPLEMENTATION: DEPOT	EV 4007 \	/A DIOLIO	ADIV	IINISTRA	AIIVE	LEADT			5		_			IIIVIE	: VARIOUS			
	FY 1997: \					FY 1998						999: VA						
PRODUCTION DELIVER DATE:	FY 1997: \	ARIOUS				FY 1998	3: VAI	RIOUS			FY 1	999: VA	RIOUS					
NSTALLATION SCHEDULE:		FY96		FY97		FY98		FY99		FY00		FY01	_	Y02	FY03	TC		TOTAL
NOTALLATION SOTILIBULE.		1, 2, 3, 4		1, 2, 3, 4		1, 2, 3, 4	1	1, 2, 3, 4	1	1, 2, 3,	4	1, 2, 3, 4		102 2, 3, 4				TOTAL
INPUT		1, 2, 3, 4 Various		1, 2, 3, 2 Various	_	1, 2, 3, 4 Various	_	1, 2, 3, 2 Various	_	1, 2, 3, 4	_	1, 2, 3, 4 Various		<u>2, 3, 4</u> Irious				Various
-																		
OUTPUT		Various		Various		Various		Various		Various	5	Various	va	rious	Variou	s Various		Variou
No single ALRE Recovery related service change exceeds \$2M. Reflects numerous service changes of varying types on various A																		P-3A

P3A INDIVIDUAL MODIFICATION

MODIFICATION TITLE: LRLS

MODELS OF SYSTEM AFFECTED: LRLS MK 15 MOD 0 (CV/CVN), MK16 MOD 0 (CV/CVN).

WILL IMPROVE NIGHT AIRCRAFT CARRIER LANDING PERFORMANCE BY PROVIDING THE PILOT WITH MORE PRECISE LINE-UP INFORMATION AT GREATER RANGE.

	<u>FY 1996 &amp;</u> QTY		<u>FY 1997</u> QTY \$	<u>F\</u> QTY	<u>′ 1998</u> \$		1999 \$		2000	FY 200 QTY \$		<u>Y 2002</u> Y \$	FY 2003 QTY \$	TC QTY \$		OTAL
FINANCIAL PLAN (IN MILLIONS)	QIY	Ъ	QIY \$	QIY	\$	QIY	\$	QIY	<b></b>	QIY \$	QT	Υ \$	QIY \$	QIY \$	QIY	\$
RDT&E		5.8	1.0		0.3											8.000
PROCUREMENT		5.6	1.9		0.3											0.000
INSTALLATION KITS				12	2 700	12	2.550	7	1.050						31	6.300
INSTALLATION KITS - NONRECURRING				12	2.700	12	2.550	'	1.030						31	0.300
EQUIPMENT																
EQUIPMENT - NONRECURRING																
ENGINEERING CHANGE ORDERS																
DATA																
TRAINING EQUIPMENT																
SUPPORT EQUIPMENT																
OTHER:																
PE					0.609		0.731		0.832	0.4	85	0.353	0.219			3.229
ILS					0.234		0.301		0.063	0.0		0.077				0.781
ATE							0.070		0.075	0.0	08	0.005				0.160
INSTALLATION SUPPORT																
INTERIM CONTRACTOR SUPPORT																
NSTALLATION OF HARDWARE_																
FY 1996 EQUIPMENT & PRIOR																
FY 1997 EQUIPMENT																
FY 1998 EQUIPMENT (12 KITS)				*	0.170	12	1 710									1.880
FY 1999 EQUIPMENT (12 KITS)					00	*	0.170	12	1.145							1.315
FY 2000 EQUIPMENT (7 KITS)								*		7 0.8	05					0.975
FY 2001 EQUIPMENT																
FY 2002 EQUIPMENT																
FY 2003 EQUIPMENT																
TO COMPLETE EQUIPMENT																
FOTAL INSTALLATION COST					0.170		1.880		1.315	0.8						4.170
FOTAL PROCUREMENT COST					3.713	12		7	3.335	1.3		0.435	0.234		31	14.640
FOTAL COST	5	5.800	1.900	)	4.013		5.532		3.335	1.3	91	0.435	0.234			22.640
METHOD OF IMPLEMENTATION: DEPOT			ADMINISTE	RATIVE	LEADTI	IME:2	MONTH:	S		PRODUC	TION LE	AD TIME:	12 MONTHS			
CONTRACT DATE:	FY 1997:	N/A			FY 1998	3:	11/97		F	Y 1999:	11/98	3				
PRODUCTION DELIVER DATE:	FY 1997:	N/A			FY 1998	3:	11/98		F	Y 1999:	11/99	)				
Installation funding based on FY of start of availability vice																

CLASSIFICATION: UNCLASSIFIED	
P3A-1 (Continued) INDIVIDUAL MODIFICATION (Continued)	
MODIFICATION TITLE: LRLS MK 15 MOD O, MK 16 MOD O	
INSTALLATION SCHEDULE:	
INPUT ===> FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY	<u> </u>
& Prior     1 2 3 4     1 2 3 4     1 2 3 4     1 2 3 4     1 2	3 4   1 2 3 4   1 2 3 4     TOTAL
FY 1996 & Prior	
FY 1997	
FY 1998         9 3	12
FY 1999                     9 3	12
FY 2000       7	7
FY 2001	
FY 2002	
FY 2003	
TO COMPLETE	
	TOTAL WIDIT
	TOTAL INPUT 31
OUTPUT ==> FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY	7 2001 FY 2002 FY 2003 TC
FY 1996 & Prior   1 2 3 4 1 3 4	3 4 1 2 3 4 1 2 3 4 TOTAL
FY 1997 & PIOI	
FY 1997 FY 1998	12
FY 1999	12
FY 2000	
FY 2001	
FY 2002	
FY 2003	
TO COMPLETE	
19 99111 2212	
	TOTAL OUTPUT 31
	P-3A
ITEM 133 PAGE 9 c	of 18 CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED INDIVIDUAL MODIFICATION РЗА MODIFICATION TITLE: ISIS/ADMACS MODELS OF SYSTEM AFFECTED: NEW SYSTEM TO BE INSTALLED ON CV/CVN'S AND SHORE SITES FOR FLEET USE. DESCRIPTION/JUSTIFICATION: REAL TIME CONFIGURATION MANAGED, TACTICAL LOCAL AREA NETWORK PROVIDING CONNECTIVITY AMONG ALL AIR OPERATIONS AND ALRE WORK SPACES ABOARD CV'S AND CVN'S. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FY 1996 & Prior FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 TC **TOTAL** QTY QTY \$ QTY QTY \$ QTY QTY QTY QTY \$ QTY QTY \$ \$ \$ \$ \$ \$ FINANCIAL PLAN (IN MILLIONS) RDT&E **PROCUREMENT INSTALLATION KITS** 3 4.500 5 7.500 4 6.000 12 18.000 INSTALLATION KITS - NONRECURRING **EQUIPMENT EQUIPMENT - NONRECURRING ENGINEERING CHANGE ORDERS** DATA TRAINING EQUIPMENT SUPPORT EQUIPMENT OTHER: PΕ 1.189 1.616 0.897 0.526 0.334 4.562 ILS 0.044 0.352 0.395 0.221 0.160 0.144 0.093 1.409 ATE 0.020 0.020 0.040 INSTALLATION SUPPORT INTERIM CONTRACTOR SUPPORT INSTALLATION OF HARDWARE FY 1996 EQUIPMENT & PRIOR **FY 1997 EQUIPMENT FY 1998 EQUIPMENT** FY 1999 EQUIPMENT (3 KITS) 1.900 1.400 3 0.500 FY 2000 EQUIPMENT (5 KITS) 1.000 5 2.240 3.240 FY 2001 EQUIPMENT (4 KITS) \* 1.000 4 1.920 2.920 FY 2002 EQUIPMENT FY 2003 EQUIPMENT TO COMPLETE EQUIPMENT TOTAL INSTALLATION COST 1.400 1.500 3.240 1.920 8.060 TOTAL PROCUREMENT COST 3 12 0.352 7.484 10.837 5 10.297 4 2.610 31.580 TOTAL COST 0.352 7.484 10.837 10.297 2.610 31.580 METHOD OF IMPLEMENTATION: DEPOT ADMINISTRATIVE LEADTIME: 1 MONTH PRODUCTION LEAD TIME: 12 MONTHS CONTRACT DATE: FY 1997: N/A FY 1998: N/A FY 1999: 11/98 PRODUCTION DELIVER DATE: FY 1998: N/A FY 1999: 11/98 FY 1997: N/A \*Installation funding based on FY of start of availability vice hardware delivery.

NODIFICATION TITLE:   ISIS/ADMACS   INSTALLATION SCHEDULE:   INPUT ===>   FY 1996   & Prior   FY 1997   FY 1998	P3A-1 (Continued)			
INSTALLATION SCHEDULE:  INPUT ===>	r sh- i (Colimiaea)		INDIVIDUAL MODIFICATION (Continued)	
INPUT ===>	MODIFICATION TITLE:	ISIS/ADMACS		
INPUT ===>			_	
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P-3A  ITEM 133 PAGE 11 of 18 CLASSIFICATION: LINCLASSIFIED			TELL (A)	

ITEM 133 PAGE 11 of 18

CLASSIFICATION: UNCLASSIFIED P3A INDIVIDUAL MODIFICATION MODIFICATION TITLE: IFLOLS MODELS OF SYSTEM AFFECTED: IFLOLS MK 13 MOD O (CV/CVN), MK 14 MOD O (SHORE). DESCRIPTION/JUSTIFICATION: REPLACE THE EXISTING FLOLS WITH AN IMPROVED DESIGN THAT WILL PROVIDE INCREASED GLIDE SLOPE DISPLAY SENSITIVITY AS WELL AS IMPROVED OPTICS AND STABILIZATION. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FY 1996 & Prior FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 <u>TC</u> **TOTAL** QTY QTY \$ QTY QTY QTY \$ QTY \$ QTY QTY QTY \$ QTY \$ \$ \$ \$ \$ \$ FINANCIAL PLAN (IN MILLIONS) RDT&E **PROCUREMENT INSTALLATION KITS** 11 7.000 12 7.500 8 4.300 31 18.800 **INSTALLATION KITS - NONRECURRING EQUIPMENT EQUIPMENT - NONRECURRING ENGINEERING CHANGE ORDERS** DATA TRAINING EQUIPMENT SUPPORT EQUIPMENT OTHER: PE 0.411 0.731 0.847 0.750 0.558 0.376 3.673 ILS 0.080 0.213 0.200 0.275 0.375 0.218 0.138 1.499 ATE 0.070 0.075 0.009 0.154 **INSTALLATION SUPPORT** INTERIM CONTRACTOR SUPPORT INSTALLATION OF HARDWARE FY 1996 EQUIPMENT & PRIOR FY 1997 EQUIPMENT **FY 1998 EQUIPMENT** FY 1999 EQUIPMENT (11 KITS) 2.370 0.660 11 1.710 0.330 12 2.155 FY 2000 EQUIPMENT (12 KITS) 2.485 FY 2001 EQUIPMENT (8 KITS) 0.330 0.805 1.135 FY 2002 EQUIPMENT FY 2003 EQUIPMENT TO COMPLETE EQUIPMENT TOTAL INSTALLATION COST 0.660 2.040 2.485 0.805 5.990 TOTAL PROCUREMENT COST 0.624 0.514 31 30.036 8.661 11 10.737 12 7.919 1.581 TOTAL COST 0.624 8.661 10.737 7.919 1.581 0.514 30.036 METHOD OF IMPLEMENTATION: DEPOT ADMINISTRATIVE LEADTIME: 2 MONTHS PRODUCTION LEAD TIME: 12 MONTHS CONTRACT DATE: FY 1997: N/A FY 1998 FY 1999: 11/98 N/A PRODUCTION DELIVER DATE: FY 1997: N/A FY 1998: N/A FY 1999: 11/99 \*Installation funding based on FY of start of availability vice hardware delivery. P-3A

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P3A-1 (Continued)								I	NDI	VIDU	ALI	MODI	FICA	TION	I (Co	ntinu	ıed)																
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CLASSIFICATION: UNCLASSIFIED INDIVIDUAL MODIFICATION РЗА MODIFICATION TITLE: VSTOL OLS MODELS OF SYSTEM AFFECTED: MK 11 MOD 0, MK 12 MOD 0 VSTOL OLS DESCRIPTION/JUSTIFICATION: Install VSTOL OLS as LHA, LHD Class Ships and at VSTOL pilot training facilities. 8 units delivered/installed in FY-96. Remaining 6 units deliver/install in FY97. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: I.O.C. 12/95 FY 1996 & Prior FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 **TOTAL** QTY QTY \$ QTY \$ QTY \$ QTY QTY QTY \$ QTY QTY QTY \$ \$ \$ FINANCIAL PLAN (IN MILLIONS) RDT&E **PROCUREMENT** 14 14.542 **INSTALLATION KITS** 14 14.542 INSTALLATION KITS - NONRECURRING **EQUIPMENT EQUIPMENT - NONRECURRING ENGINEERING CHANGE ORDERS** DATA TRAINING EQUIPMENT SUPPORT EQUIPMENT OTHER: PΕ 0.040 0.040 ILS 2.400 0.070 2.470 ATE **INSTALLATION SUPPORT** 0.200 0.200 INTERIM CONTRACTOR SUPPORT INSTALLATION OF HARDWARE FY 1996 EQUIPMENT & PRIOR (14 KITS) 1.918 6 1.041 2.959 FY 1997 EQUIPMENT **FY 1998 EQUIPMENT FY 1999 EQUIPMENT FY 2000 EQUIPMENT FY 2001 EQUIPMENT** FY 2002 EQUIPMENT FY 2003 EQUIPMENT TO COMPLETE EQUIPMENT TOTAL INSTALLATION COST 1.918 6 1.041 2.959 8 TOTAL PROCUREMENT COST 14 18.860 1.351 20.211 TOTAL COST 18.860 1.351 20.211 METHOD OF IMPLEMENTATION: DEPOT ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEAD TIME: 12 MONTHS CONTRACT DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A PRODUCTION DELIVER DATE: FY 1997: N/A FY 1998: N/A FY 1999: N/A

#### CLASSIFICATION: UNCLASSIFIED INDIVIDUAL MODIFICATION (Continued) P3A-1 (Continued) MODIFICATION TITLE: VSTOL OLS INSTALLATION SCHEDULE: INPUT ===> FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 TC & Prior 2 3 2 3 1 TOTAL 3 2 3 4 2 3 4 2 3 4 3 4 FY 1996 & Prior 2 3 1 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 TO COMPLETE **TOTAL INPUT** <u>TC</u> 1 OUTPUT ==> FY 1996 FY 2002 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2003 & Prior 1 2 3 2 3 2 3 2 3 2 3 4 2 3 4 2 3 **TOTAL** 4 4 4 4 FY 1996 & Prior 8 2 3 1 14 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 TO COMPLETE TOTAL OUTPUT 14

ITEM 133 PAGE 15 of 18 CLASSIFICATION: UNCLASSIFIED

P-3A

FY 1998/99 BUDGET PRO	DUCT	ION S	CHED	ULE	P-1 IT	EM NO	MENCL	ATURI	E											DATE	E							
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DD Form 2445, JUL 87

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Previous editions are obsolete

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FY 1998/99 BUDG	ET	ГР	ROI	DUO	СТІ	ON	sc	HE	DU	ILE			P-1 I	ГЕМ N	IOMEN	ICLAT	URE											DATE									П
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ITEM/MANUFACTURER/		1997					C	ALEN	DAR	YEAF	R 199	98							(	CALEN	DAR	YEA	AR 19	999						CALE	NDA	R YE	AR 2	2000			L
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST ITEM NO 133 PAGE NO. 17 of 18 Page of Pages
311/244 4-70 Exhibit P-21 Production Schedule

# **UNCLASSIFIED** CLASSIFICATION:

1	REQUIREMENTS	S STUDY - NOT	-INSTALLED	NONCONSUMA	BLES P-23B			DATE	1-Feb-97
APPROPRIATION/BUDGET ACTIVITY  Outher Procurement, Navy  A 3 AVIATION SUPPORT EQUIPMENT	JT			P-1 ITEM NOMENCLA	ATURE AND RECOVERY EQU	IPMENT (ALRE)			
ITEM/PROJECT UNIT	TOTAL IO / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
AS/32P-25 FIRE TRUCK SJ260	69	0	0	0	56	13	0	0	EFFICIENT PRODUCTION & FLEET NEEDS
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AS32P-25 FIRE TRUCK									
CV(N)s (12@3) = 36 LHA (5@2) = 10 LHD (7@ 2) = 14 TRAINERS 4 TYCOM 5									
TOTAL 69									

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BUDGET ITEM JUSTIFICATION SHEET P-40  APPROPRIATION/BUDGET ACTIVITY  Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT  FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003  QUANTITY COST (In Millions)									
APPROPRIATION/BUDGET ACTIVITY  Other Procurement, Navy  BA 3 - AVIATION SUPPORT EQUIPMENT  FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003  QUANTITY COST		BUD	GET ITEM J	USTIFICATION	ON SHEET			DATE:	
Other Procurement, Navy         Predator UAV Defense Airborne           BA 3 - AVIATION SUPPORT EQUIPMENT         Reconnassiance Program (DARP) - J3D1           FY 1996         FY 1997         FY 1998         FY 1999         FY 2000         FY 2001         FY 2002         FY 2003           QUANTITY         COST         COST <th></th> <th></th> <th></th> <th>P-40</th> <th></th> <th></th> <th></th> <th>Februa</th> <th>ry 1997</th>				P-40				Februa	ry 1997
BA 3 - AVIATION SUPPORT EQUIPMENT         Reconnassiance Program (DARP) - J3D1           FY 1996         FY 1997         FY 1998         FY 1999         FY 2000         FY 2001         FY 2002         FY 2003           QUANTITY         COST	APPROPRIATION/BUDG	ET ACTIVITY				P-1 ITEM NOM	ENCLATURE		
FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003  QUANTITY  COST	Other Procurement	t, Navy				Pred	dator UAV D	efense Airbo	orne
QUANTITY COST	<b>BA3-AVIATIONS</b>	<b>UPPORT EC</b>	UIPMENT			Reconnassi	iance Progra	am (DARP) -	- J3D1
COST		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
COST									
COST	OLIANITITY								
	QUANTITY								
/In Millians)	COST								
(III WIIIIOTIS) \$5.0	(In Millions)	*	\$5.6	**	**	**	**	**	**

Funding in the Navy Predator Unmanned Aerial Vehicle (UAV) line provides for the procurement of the UAV Common Automatic Recovery System (CARS) for several UAV systems.

The purpose of the UAV CARS program is to provide an automated recovery system for all classes of UAVs that will reduce operational mishaps, operator fatigue, operator training, and associated costs. The UAV CARS is a millimeter-wave-tracking radar system that provides system position data to recover UAVs automatically. UAV CARS consist of one track subsystem and airborne subsystems for installation in UAV air vehicles with an option for a ship motion sensor. The Pioneer system was initially selected for fielding of the UAV CARS. FY97 funds the integration of UAV CARS with the Predator and Tactical UAV systems.

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CLASSIFICATION:

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<sup>\*</sup> Prior to FY 1997 the Predator program was budgeted in the Procurement Defense-Wide appropriation.

<sup>\*\*</sup> Except for the UAV CARS Integration, beginning in FY 1997 the Predator program is budgeted by the Air Force.

	WEA	PONS S	SYSTE	M COST ANALY	SIS				DATE:	
			Р	-5					Feb	oruary 1997
	PRIATION/BUDGET ACTIVITY			P-1 ITEM NOMEN						
	Procurement, Navy					nse Airborne				
3A 3 -	AVIATION SUPPORT EQUIPMENT			Reconnassia	ince P	rogram (DARF	P) - J:	3D1		
					TOTAL (	COST IN THOUSAN	DS OF D	OLLARS		
COST	ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997		FY 1998		FY 1999
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COS
	UAV CARS									
	Systems Integration			*		4,277		**		**
	CARS Unit			*	1	700		**		**
	Technical Support					600		**		**
*	Prior to FY 1997 the Predator program was budg	geted in th	e Procui	 rement Defense-Wid 	e approp	riation.				
**	Except for the UAV CARS Integration, beginning	   in FY 199 	97 the Pi	 redator program is b 	 udgeted b 	by the Air Force.				
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	M 2446, JUN 86	P-1 SHC		0		5,577		CLASSIFICATION		<u> </u>

# **UNCLASSIFIED**

RACT HOD CONTRACTED PE BY	Predator U	IAV Defense A siance Progra DATE OF FIRST DELIVERY	Airborne	UNIT COST	SPECS AVAILABLE	J3D1  SPEC REV	IF YES WHEN
HOD CONTRACTED	Reconnass	DATE OF FIRST	am (DARP)	UNIT	AVAILABLE	SPEC	
HOD CONTRACTED	AWARD	DATE OF FIRST		UNIT	AVAILABLE		
HOD CONTRACTED		FIRST	QUANTITY	UNIT	AVAILABLE		
		<del>                                     </del>		(000)	NOW	REQ'D	AVAILABLE
FP Air Force	Mar 97	Aug 97	1	700	Yes		

DD Form 2446-1, JUL 87 ITEM NO. 134 PAGE NO. 3 CLASSIFICATION:

FY 1998/99 BUDGET PRO	DUC.	TION	SCHED	ULE	P-1 IT	EM NO	OMEN	CLATU	JRE											DATE	E								
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ITEM / MANUFACTURER/			ACCEP.	BAL.				F	ISCAL	YEA	R 199	7										CAL Y							
PROCUREMENT YEAR	S	PROC.	PRIOR	DUE		1996					С	ALEN	IDAR	YEAF	R 199	7	=					CA	LEND	AR YE	EAR 1	998			L
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FY 1997 CARS	AF	1	0	1						Α					1														0
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	BUD	GET ITEM JU	JSTIFICATIO	N SHEET			DATE:	
			P-40				Februa	ry 1997
APPROPRIATION/BUD	GET ACTIVITY				P-1 ITEM NOM	ENCLATURE		
Other Procuremen	ıt, Navy				Pior	neer UAV De	efense Airbo	rne
<b>BA3-AVIATIONS</b>	SUPPORT E	QUIPMENT			Reconnass	iance Progra	am (DARP)	- J3D2
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST								
(In Millions)	*	\$25.0	**	**	**	**	**	**

The Pioneer UAV system provides near-real-time reconnaissance, surveillance, target acquisition (RSTA) and combat assessment (CA) within line-of-sight of a ground control station, both day and night. The Pioneer UAV provides high quality video imagery to ground processing stations via datalink. Nine Pioneer systems are fielded. Five systems support U.S. Navy operations, including current testing/evaluation and deployment aboard three configured LPD ships; three systems support U.S. Marine Corps land based operations, and the remaining system supports training requirements. The Pioneer funding provides: replenishment spares needed to improve reliability and maintainability to achieve 85% readiness and replenish Unit Support Kits (USKs); readiness impact items that are required to maintain systems safety changes or correct critical system deficiencies resulting from emerging obsolescence; ability to maintain the readiness posture of operationally deployed systems; and improvements to meet requirements generated from Desert Storm, Somalia, and Bosnia operations lessons learned. In FY1996 procurement funds were used to buy critical spare parts and obsolescence engineering change proposals (ECPs). In FY1997 procurement funds will buy air vehicles, payloads, attrition spares and engineering change proposals such as plotter ECP, TCU air conditioner ECP, PCS autotracking ECP, engine improvements and shipboard antennas. In FY 1998 funds are requested for air vehicles ECPs that provide better weather resistance, flotation and locator transmitter, further engine improvements or replacement engine procurement, circuit board ECPs, intelligence bay ECP and obsolescence ECPs for FY98. FY1999-FY2002 procurement funds will buy support and equipment to maintain the Pioneer system. This profile supports the present TUAV transition schedule that effectively extends Pioneer through FY 2003.

- \* Prior to FY 1997 the Pioneer program was budgeted in the Procurement, Defense-Wide appropriation.
- \*\* In FY 1998 and beyond Pioneer is budgeted in the Weapons Procurement, Navy (WPN) appropriation.

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86

ITEM NO. 135 PAGE NO. 1

APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT  COST CODE  COST ELEMENT OF COST IDENT CODE  Pioneer System.  Unit Support Hardware Production Support Air Vehicles Payloads Engineer Change Proposals (ECPs)  P-1 ITEM NOMENCLATURE/SUBHEAD Pioneer UAV Defense Airborne Reconnassiance Program (DARP) - J3D2  TOTAL COST IN THOUSANDS OF DOLLARS  FY 1996 FY 1997 FY 1998  TOTAL COST IN THOUSANDS OF DOLLARS  TOTAL COST IN THOUSANDS OF DOLLARS  FY 1998  TOTAL COST IN THOUSANDS OF DOLLARS  FY 1996 FY 1997 FY 1998  TOTAL COST IN THOUSANDS OF DOLLARS  FY 1998  TOTAL COST IN THOUSANDS OF DOLLARS  FY 1996 FY 1997 FY 1996 FY 1997 FY 1998  TOTAL COST IN THOUSANDS OF DOLLARS  FY 1996 FY 1997 FY 1998  TOTAL COST IN THOUSANDS OF DOLLARS  FY 1996 FY 1997 FY 1996 FY 1997 FY 1998  TOTAL COST IN THOUSANDS OF DOLLARS  FY 1998 FY 1998 FY 1998 FY 1996 FY 1997 FY 1998 FY	DATE: February 1997
COST   ELEMENT OF COST   IDENT   FY 1996   FY 1997   FY 1998	. 52. 44. 7
CODE         CODE         QTY         TOTAL COST         QTY         TOTAL COST         QTY         TOTAL COST           Pioneer System         *         *         8,300         **           Unit Support Hardware Production Support Air Vehicles Payloads         *         3,676         **           **         20         6,250         **	
Pioneer System         *         8,300         **           Unit Support Hardware         *         3,676         **           Production Support         *         3,676         **           Air Vehicles         *         *         **           Payloads         *         20         6,250         **	FY 1999
Unit Support Hardware Production Support Air Vehicles Payloads  * 8,300 **  * 3,676 **  * 20 6,250 **	QTY TOTAL COS
Production Support       *       3,676       **         Air Vehicles       *       20       6,250       **	
	** ** **
	**
* Prior to FY 1997 the Pioneer program was budgeted in the Procurement Defense-Wide appropriation.	
** In FY 1998 and beyond Pioneer is budgeted in the Weapons Procurement, Navy (WPN) appropriation.	
0 25,032 0	

# **UNCLASSIFIED**

B. APPROPRIATION/BUDGET ACTIVITY  Other Procurement, Navy  BA 3 - AVIATION SUPPORT EQUIPMENT  CONTRACT  CONTRACT  CONTRACT  METHOD  CONTRACTED  AWARD  CONTRACT  CONTRACT  CONTRACTED  CONTRACTED		BUDGET PROCUREM	ENT HISTORY	AND PLANNI	NG EXHIE	BIT (P-5A)				A. DATE Febru	ıary 1997
COST Element/ FISCAL YEAR  CONTRACTOR AND LOCATION  METHOD & TYPE  CONTRACTED BY  AWARD DATE  FIRST DELIVERY  QUANTITY UNIT COST (000)  AVAILABLE REV REQ'D AVAILABLE NOW  REQ'D AVAILABLE Pioneer UAV  FY1997 - Payloads  Pioneer UAV, Inc.  SS/FFP  UAV-JPO Feb 97  Jan 98 20 313  Yes	Other Procurement, Navy				Pioneer U	AV Defense	Airborne			J	3D2
FY1997 - Payloads Pioneer UAV, Inc. SS/FFP UAV-JPO Feb 97 Jan 98 20 313 Yes			METHOD			FIRST	QUANTITY	COST	AVAILABLE	REV	IF YES WHEN AVAILABLE
	Pioneer UAV										
	FY1997 - Payloads		SS/FFP	UAV-JPO	Feb 97	Jan 98	20	313	Yes		
D. REMARKS	D. DEMARKO										

DD Form 2446-1, JUL 87 ITEM NO. 135 PAGE NO. 3 CLASSIFICATION:

FY 1998/99 BUDGET PRO	DUC.	TION	SCHEE	ULE	P-1 IT	EM NO	OMEN	CLATU	JRE											DATE									
								F	Pion	eer	UA	V D	ARF	- •	J3D	2				Fe	bru	ary	/ 19	997					
ITEM / MANUFACTURER/			ACCEP.	BAL.				F	ISCAL	YEA	R 199	7										CAL YI							
PROCUREMENT YEAR	S	PROC.	PRIOR	DUE		1996					С	ALEN	IDAR	YEAF	R 199	7	=					CAL	LEND	AR YE	EAR 1	998			L
	E	QTY	TO 1	AS	0	Ν	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	٦	J	Α	S	A T
	R V		OCT	OF 1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E
					'	V	C	IN	В	K	ĸ	Y	IN	L	G	Р		V	C	IN	В	ĸ	ĸ	Ť	IN	L	G	Р	R
FY 1997 Payload		20	0	20					Α											4	4	4	4	4					0
TOTAL	0	20	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	0	0	0	0	0
					0	N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	М	A	М	J	J	Α	S	
					C	0	E	Α	E B	A R	Р	A Y	U	U	U	E	C T	O V	E	Α	E B	A R	P R	A	U	U	U	E	
	PROI	DUCTION	RATES	RCH'D		V	C	N	В	R	R PRO		N	NTIF	G AD TI			V	С	N	В	R		IARKS	N		G	Р	
MANUFACTURER'S NAME AND LOCATION	MINIMUM	1-8-5	MAXIMUM										MIN I					MAN	JI I-		TOT	ΔI							
IN ITEL TOTAL TOTAL TOTAL THE LOCATION	SUST.	1-0-3	O (III) O IVI	D +									RIOR			FTER	ı	FACTU			AFTER								
Pioneer UAV, Inc.	N/A	N/A	N/A								1	OCT			1 OC		•	TIME			1 OCT								
Hunt Valley, MD	1 1/7	1 11/7	13/7		Initial	Paylo	ad				<u> </u>	00			4			11			15								
						•	ehicles	3				3			,														
					REORE	DER PAY	YLOAD																						

311 / 244

	BUDGET ITE	M JUSTIFIC	ATION SHEE	T		DATE	Feb 1997	
APPROPRIATION/E OPN BA3 - AVIATION				P-1 ITEM NOME	ENCLATURE METEOROLOGIC	CAL EQUIPMENT	422600	53SP
	FY 1996	FY 1997	FY 1998	FY 1999	FY2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (in millions)	\$19.7	\$16.7	\$17.8	\$23.9	\$24.1	\$24.3	\$25.0	25.7

#### PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:

This item provides new and replacement meteorological equipment for all Naval/Marine Corps Air Stations and all Navy ships and other activities requir take weather observations and provide safety of flight information. The procurement has been thoroughly coordinated with the other DOD and civilian agencies. Equipment is funded under the following programs:

The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanographic and Atmospheric Administration (NOAA), Polar Orbiting Environmental Satellites (POES), and the Geostationary Orbiting Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX). The upgrade will allow the system to receive and preprocess additional environmental satellites, and comply with open systems architecture standards.

The Mini-Rawin System (MRS) is a portable commercial off-the-shelf upper air sounding system used to measure pressure, temperature, humidity and wind speed and direction from the surface to the lower stratosphere. \$.8 million in FY-96 (60 units) and \$.9 million in FY-97 (68 units) will support upgrade of existing units to enable use of the Global Positioning System (GPS).

The Automated Surface Observing System (ASOS) is an automatic system to sense, collect, display and disseminate real time meteorological information at both Navy and Marine Corps Air stations and remote sites such as weapon ranges and port facilities. \$3.4 million (16 systems) in FY- 96 is budgeted for ASOS.

The Tactical Environmental Support Systems (TESS) Upgrade - Procure terminals, input/output control devices, CPUs and back planes to replace original equipment for block upgrades and P3I. \$ 8.1 million in FY-96, \$ 7.1 million in FY-97, \$ 7.8 million in FY-98 and \$ 9.9 million in FY-99 will support the TESS evolutionary acquisition Upgrade. TESS software is required to be upgraded to X-Windows with a C2 Secure Operating System as required for cutover of connectivity to DON/DISNET. Associated hardware upgrades that are required include CPU cards, RAM memory, clock, BUS, disk storage and disk controllers. TESS Upgrades planned for FY 96-99 include Fleet Numerical Meteorology and Oceanography Center (FNMOC) and Naval Oceanographic Office (NAVO) and the five regional centers at Guam, Pearl Harbor, Norfolk, Suitland and Rota Spain, and at afloat and ashore sites.

P-1 SHOPPING LIST

ITEM NO. 136 PAGE NO. 1

Exhibit P-40
UNCLASSIFIED
CLASSIFICATION

#### UNCLASSIFIED

#### **CLASSIFICATION**

# BUDGET ITEM JUSTIFICATION SHEET (CONTINUATION)

DATE

Feb 1997

APPROPRIATION/BUDGET ACTIVITY

OPN BA3 - AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE

METEOROLOGICAL EQUIPMENT

53SP

Shipboard Meteorological and Oceanographic Observing System (SMOOS) P3I will provide Upgrades to existing suites to add smaller sensors such as radiometer \$.2 million in FY-96. \$2.7 million in FY-99 will provide sensors that collect atmospheric pressure, temperature, and wind speed and direction data.

Fleet Marine Force Meteorological Equipment - Meteorological Equipment required to upgrade existing Meteorological Mobile Facilities (METMF) used by the Mar Corps.

Miscellaneous Meteorological Equipment - General Purpose Met Equipment covers unscheduled purchase of items such as: laser recorders, facsimile recorders, r temperature instruments, special tape recorders, power supplies, printed circuit module, etc.

The Supplemental Weather Radar (SWR) is a commercial, small, light weight doppler radar system that will be located at sites where NEXRAD coverage is not avai Navy/USMC activities. The SWR will provide real-time surveillance and advance warning of potentially severe weather phenomena that are developing near or mo USN and USMC units. \$.98 million is budgeted in FY-96 and \$2.5 million in FY-97 for SWR.

Training Support - Necessary to train the initial cadre of instructional personnel with the end item.

Installation of Equipment - Installation efforts include plans, site surveys, BESEPS, equipment installation and checkout.

Note: Budget reflects the transfer of design services into the appropriate equipment P-1 line item beginning in FY 1998.

#### MODIFICATION SUMMARY (\$M)

Listed below are the costs (i.e. hardware and installation) for equipment being procured in this line item that have associated installation costs budgeted:

11.3 14.2
5.9 5.1
5.6 5.7
22.8 25.0
7 2 7 4

P-1 SHOPPING LIST

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Exhibit P-40
UNCLASSIFIED
CLASSIFICATION

# UNCLASSIFIED

# CLASSIFICATION

							DATE:			
	WEAPON SYSTE	м со	ST A	NALYSIS				Feb 1997		
B. APPROI	PRIATION/BUDGET ACTIVITY				C. P-1	ITEM NOMENCLAT	URE			
OP,N - BA3	AVIATION SUPPORT EQUIPMENT					METEOROLOGICAL	EQUIPM	IENT 422600		53SP
					TOTA	L COST IN THOUSAI	NDS OF	DOLLARS		
COST		IDENT		FY 96		FY 97		FY 98		FY 99
CODE	ELEMENT OF COST	CODE	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
SP051	AN/SMQ-11 UPGRADES - SPACE	A	` ′	`,	, ,	` .	VAR	959	VAR	1,183
SP115	MRS UPGRADES	Α	60	800	68	925				
SP130	ASOS	Α	16	3,376						
SP190	TESS UPGRADES	Α	VAR	8,101	VAR	7,060	VAR	7,841	VAR	9,858
SP200	SMOOS P3I		VAR	200					VAR	2,680
SP300	MET EQUIPMENT	N/A	VAR	2,842	VAR	2,578	VAR	5,433	VAR	5,683
SP400	GP EQUIPMENT	N/A	VAR	139	VAR	132				
SP500	SUPPLEMENTAL WEATHER RADAR	N/A	2	980	7	2,527				
SP666	TRAINING SUPPORT	N/A	VAR	230	VAR	230				
SP776	INSTALL SHORE	N/A	VAR	1,864	VAR	1,907	VAR	1,192	VAR	1,234
SP777	INSTALL SHIP	N/A	VAR	1,127	VAR	1,308	VAR	2,391	VAR	3,288
	INSTALL Design Service Agent							2,281 120		3,182 122
	TOTAL PROGRAM			19,659		16,667		17,816		23,926

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P-1 SHOPPING LIST
ITEM NO. 136
PAGE NO. 3

Exhibit P-5
UNCLASSIFIED
CLASSIFICATION

# UNCLASSIFIED CLASSIFICATION

# WEAPON SYSTEM PROCUREMENT HISTORY AND PLANNING

A. DATE Feb 1997

0011040	AV (IATION OUR PORT FOUNDMENT					METEODOLO	201041	FOLUDIATION			
JPN BA3	- AVIATION SUPPORT EQUIPMENT	1		<del> </del>			OGICAL	EQUIPMENT	1		1
		CONTRACTOR	CONTRACT			DATE			SPECS	SPECS	IF YES,
COST	ELEMENT OF COST	AND	METHOD	CONTRACTED	AWARD	OF FIRST	QTY	UNIT	AVAILABLE	REV	WHEN
CODE	FISCAL YEAR	LOCATION	& TYPE	BY	DATE	DELIVERY		COST	NOW	REQUIRED	AVAILABL
SP115	MRS UPGRADES										
	FY-96	VAISALA , MA	SS/FFP	SPAWAR	Nov-96	Feb-97	60	\$13,333	Yes	No	
	FY-97	VAISALA, MA	SS/FFP/OP	SPAWAR	Dec-96	Mar-97	68	\$13,603	Yes	No	
SP130	ASOS										
	FY-96	AAI, MD	C/FFP/OP	NATWEASERV	Nov-95	Aug-96	16	\$211,000	Yes	No	
SP500	WEATHER RADAR*										
	FY-96	Enterprise Electronics, AL	C/FFP	NISE E/CH	Dec-96	Mar-97	2	\$490,000	No	No	
	FY-97	Enterprise Electronics, AL	C/FFP/0P	NISE E/CH	Mar-97	Jun-97	7	\$361,000	No	No	

# D. REMARKS

\*FY 96 unit cost for Weather Radar includes non-recurring for data deliverables.

DD FORM 2446, JUN 87

P-1 SHOPPING LIST ITEM NO. 136 PAGE NO. 4 Exhibit P-5A

UNCLASSIFIED CLASSIFICATION

UNCLASSIFIED Feb 1997

MODIFICATION TITLE:

53SP MINI-RAWIN SYSTEM UPGRADES (SHORE)

MODELS OF SYSTEMS AFFECTED: DESCRIPTION/JUSTUIFICATION:

THE MRS IS A PORTABLE COMMERCIAL OFF-THE-SHELF UPPER AIR SOUNDING SYSTEM USED TO MEASURE PRESSURE TEMPERATURE, HUMIDITY AND WIND SPEED AND DIRECTION FROM THE SURFACE TO THE LOWER STRATOSPHERE.

THE UPGRADE WIL ENABLE USE OF THE GLOBAL POSITIONING SYSTEM.

# DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)																				
	PY	1	FY		FY 9		FY 99	FY 00		FY 01		FY 0		FY 0	1	TC		Tot		
	QTY	\$	QTY	\$	QTY	\$	QTY \$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
RDT&E																				
PROCUREMENT																				
Kit Quantity																				
Installation Kits																				
Installation Kit Nonrecurring	00	4.0	00	0.0														400	4.5	
Equipment	80	1.2	20	0.3														100	1.5	
Equipment Nonrecurring Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware	27	0.1	20	0.08														47	0.18	
(PY) Eqpt	27	0.1																27	0.10	
FY97 Eqpt		• • • •	20	0.08														20	0.08	
FY98 Eqpt																				
FY99 Eqpt																				
FY00 Eqpt																				
FY01 Eqpt																				
FY02 Eqpt																				
FY03 Eqpt																				
FY TC Eqpt																				
Total Installation Cost	27	0.1	20	0.1	0	0.0	0 0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	47	0.2	
Total Procurement Cost	80	1.2	20	0.3	0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	100	1.5	
METHOD OF IMPLEMENTATION:					Α	DMINIS	STRATIVE LE	ADTIME:		3 MONTH	4S	F	ROC	JREMEN	IT LE	ADTIME	:	3 MON	THS	
CONTRACT DATES:	FY 1997		12/96				FY 199	Ω						FY 1999						
CONTRACT DATES.	1 1 1337	•	12/30				1 1 133	O						1 1 1333						
DELIVERY DATE:	FY 1997	:	3/97				FY 199	8						FY 1999						
	PY		<u>, -</u>	FY 2	97 3		1	FY 98 2	3				FY 2	99 3				FY 2	3	
INSTALLATION SCHEDULE:					3	4			3	4	-			3	4	-			3	4
INSTALLATION SCHEDULE.																				
INPUT	27				10	10														
OUTPUT	27				10	5	5													
				FY				FY 02 2	3	4		1	FY 2	3				TC		Total
INSTALLATION SCHEDULE:			1	2	3	4	1		3	4	-			3	4			TC_		Total
INSTALLATION SCHEDULE.																				
INPUT																				47
OUTPUT																				47

UNCLASSIFIED Feb 1997

MODIFICATION TITLE: 53SP TACTICAL ENVIRONMENTAL SUPPORT SYSTEMS TESS UPGRADE (SHIP)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTUIFICATION: TESS UPGRADE PROCURES TERMINALS, INPUT/OUT CONTROL DEVICES, CPUs AND BACK PLANES TO REPLACE ORIGINAL

EQUIPMENT FOR BLOCK UPGRADES. TESS SOFTWARE UPGRADES ALSO REQUIRED.

## DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

(	PY		FY 9	7	FY 9	8	FY 99	9	FY 00	0	FY 01	I	FY 02	2	FY 03	3	TC		Tota	al	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
RDT&E PROCUREMENT Kit Quantity Installation Kits Installation Kit Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment	VAR	3.8	VAR	3.5	VAR	4.9	VAR	5.6	VAR	3.9	VAR	3.7	VAR	5.0	VAR	6.7			VAR	37.1	
Support Equipment Other Interim Contractor Support Installation of Hardware* (PY) Eqpt FY97 Eqpt FY98 Eqpt	27 27	1.0 1.0	27 27	1.3	30	2.4	30	2.6	30	1.6	30	1.0	30	1.0	30	1.0			234 27 27 30	11.9 1.0 1.3 2.4	
FY99 Eqpt FY00 Eqpt FY01 Eqpt FY02 Eqpt FY03 Eqpt FY07 Eqpt							30	2.6	30	1.6	30	1.0	30	1.0	30	1.0			30 30 30 30 30 30	2.6 1.6 1.0 1.0 1.0	
Total Installation Cost	27	1.0	27	1.30		2.4	30	2.6	30	1.6		1.0	30	1	30	1.0	0	0.0	234	11.9	
Total Procurement Cost	VAR	4.8	VAR	4.8		7.3	VAR	8.2		5.5		4.7		6.0		7.7	VAR	0.0	VAR	49.0	
METHOD OF IMPLEMENTATION:					А	DMINI	STRATIVE	: LEA	DIIME:		VAR		PI	ROCL	JREMENT	LEAD	IME:		VAR		
CONTRACT DATES:	FY 1997:		VAR				F'	Y 1998	3 V.	AR					FY 1999	,	VAR				
DELIVERY DATE:	FY 1997:		VAR				F'	Y 1998	3 V.	AR					FY 1999		VAR				
	PY			FY	97				FY 98	В	_			FY	99			_	FY (	00	
INSTALLATION SCHEDULE:			11	2	3	4	_	1	2	3	4		11	2	3	4	_	1	2	3	4
INPUT	27		6	7	7	7		7	8	8	7		7	7	8	8		7	7	8	8
OUTPUT	27		6	7	7	7		7	8	8	7		7	7	8	8		7	7	8	8
INSTALLATION SCHEDULE:			1	FY 2		4	. <u>–</u>	1	FY 02	3	4		1	FY 2		4			TC_	<del>-</del>	Total
INPUT			7	7	8	8		7	7	8	8		7	7	8	8					234
OUTPUT			7	7	8	8		7	7	8	8		7	7	8	8					234

<sup>\*</sup> Quantities reflect platforms

 $<sup>^{\</sup>star}\,$  TESS is an evolutionary acquisition program.

MODIFICATION TITLE: 53SP TACTICAL ENVIRONMENTAL SUPPORT SYSTEMS TESS UPGRADE (SHORE)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTUIFICATION: TESS UPGRADE PROCURES TERMINALS, INPUT/OUT CONTROL DEVICES, CPUs AND BACK PLANES TO REPLACE ORIGINAL

EQUIPMENT FOR BLOCK UPGRADES. TESS SOFTWARE UPGRADES ALSO REQUIRED.

# DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	PY		FY 9	7	FY 9	8	FY 9	99	FY 0	00	FY 0	1	FY 0:	2	FY 0	3	TC		Tota	al	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
RDT&E PROCUREMENT Kit Quantity Installation Kits																					
Installation Kit Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data	VAR	4.3	VAR	3.5	VAR	3.0	VAR	4.3	VAR	3.9	VAR	3.3	VAR	4.7	VAR	6.1			VAR	33.1	
Training Equipment Support Equipment Other Interim Contractor Support Installation of Hardware*  (PY) Eqpt	49 49	1.3 1.3	49	1.5	49	0.6	49	0.5	49	0.3	49	0.7	49	0.5	49	0.5			392 49	5.9 1.3	
FY97 Eqpt FY98 Eqpt FY99 Eqpt FY00 Eqpt FY01 Eqpt			49	1.5	49	0.6	49	0.5	49	0.3	49	0.7							49 49 49 49	1.5 0.6 0.5 0.3 0.7	
FY02 Eqpt FY03 Eqpt FY TC Eqpt Total Installation Cost	49	1.3	49	1.50	49	0.6	49	0.5	49	0.3	49	0.7	49	0.5	49	0.5	0	0.0	49 49 0 392	0.5 0.5 0.0 5.9	
Total Procurement Cost	VAR	5.6	VAR	5.0	VAR	3.6	VAR	4.8		4.2		4.0		5.2	VAR	6.6	VAR	0.0	VAR	39.0	
METHOD OF IMPLEMENTATION:	VAR	5.0	VAR	5.0			STRATI			4.2	VAR	4.0			REMENT				VAR	39.0	
WETHOD OF IMPLEMENTATION.					-	DIVIIINI	STRAIN	/ E LEAL	JIIIVIE.		VAK			KOCO	KEWENI	LEAD	I IIVIE.		VAK		
CONTRACT DATES:	FY 1997:		VAR				I	FY 1998	3 \	/AR					FY 1999		VAR				
DELIVERY DATE:	FY 1997: PY		VAR	FY	07		I	FY 1998	3 \ FY 9	/AR				FY	FY 1999		VAR		FY (	10	
	<u> </u>		1	2		4		1	2	3	4		1	2	3	4		1	2	3	4
INSTALLATION SCHEDULE:		•	<u> </u>		<u> </u>		· -										_	•			
INPUT	49		12	12	12	13		12	12	12	13		12	12	12	13		12	12	12	13
OUTPUT	49		12	12	12	13		12	12	12	13		12	12	12	13		12	12	12	13
INSTALLATION SCHEDULE:		-	1	FY 2		4		1	FY 0	3	4		1	FY 2	3	4			<u>TC</u>	_	Total
INPUT			12	12	12	13		12	12	12	13		12	12	12	13					392
OUTPUT *Quantities reflect platforms			12	12	12	13		12	12	12	13		12	12	12	13					392

53SP

AUTOMATED SURFACE OBSERVING SYSTEM (ASOS) (ASHORE)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTUIFICATION:

ASOS IS AN AUTOMATIC SYSTEM TO SENSE, COLLECT, DISPLAY AND DISSEMINATE REAL TIME METEOROLOGICAL INFORMATION AT BOTH NAVY AND MARINE CORPS AIR STATIONS AND REMOTE SITES SUCH AS WEAPON RANGES AND SHORE FACILITIES.

## DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ IN MIIIIONS)	D) (		<b>5</b> ) ( 6		E) / 00	E) / 00	E) / 00	E) ( 0 (	E) / 00	E)/ 00				
	PY	\$	FY 9	,, sl	FY 98 QTY \$	FY 99 JOTY \$	FY 00	FY 01 QTY \$	FY 02 QTY \$	FY 03	TC \$ QTY	Total	•	
RDT&E PROCUREMENT Kit Quantity Installation Kits Installation Kit Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment	QTY 85	18.7	QTY	\$	QTY \$	QTY \$	QTY §	\$ QTY \$	QTY \$	QTY S	\$ QTY	\$ QTY 85	18.7	
Support Equipment Other Interim Contractor Support Installation of Hardware (PY) Eqpt FY97 Eqpt FY98 Eqpt FY99 Eqpt FY00 Eqpt FY01 Eqpt FY02 Eqpt FY03 Eqpt FY03 Eqpt	78 78	1.8 1.8	7 7	0.3								85 85 0	2.1 2.1 0.0	
FY TC Eqpt														
Total Installation Cost	78	1.8	7	0.3								85	2.1	
Total Procurement Cost	26	20.5		0.3	ADMIN	UOTD A TIVE LEA	DTIME:	O MONTHO	BBOOL	IDEMENT LEAD	DTIME		20.8	
METHOD OF IMPLEMENTATION:					ADMIN	ISTRATIVE LEA	DTIME:	3 MONTHS	PROC	JREMENT LEAD	DTIME:	3 MONTHS	>	
CONTRACT DATES:	FY 1997:					FY 199	8			FY 1999				
DELIVERY DATE:	FY 1997:					FY 199	8			FY 1999				
	PY		_	FY	97		FY 98	_	FY	99		FY 00		
INSTALLATION SCHEDULE:			11	2	3 4	1	2 3	3 4	12	. 3 4	<u> </u>	1 2	3	4
INPUT	78		7											
OUTPUT	78		7											
			_	FY			FY 02	<u>_</u>		03				
INSTALLATION SCHEDULE:			1	2	3 4	1	2 3	3 4	1 2	. 3 4	<u>4</u>	<u>TC</u>	-	Total
INPUT														85
OUTPUT														85

53SP AN/SMQ-11 UPGRADE (SHIP)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTUIFICATION:

THE AN/SMQ-11 IS AN ENVIRONMENTAL SATELLITE RECEIVER/RECORDER. THE UPGRADES WILL ALLOW THE SYSTEM TO RECEIVE AND PREPROCESS ADDITIONAL ENVIRONMENTAL SATELLITES, AND COMPLY WITH OPEN SYSTEMS

ARCHITECTURE STANDARDS.

#### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)	51/		E) ( 0.7		E) / 00	<b>5</b> ) ( 6		E) ( 0	•	<b>5</b> 1/ 0		E) ( 0	_	<b>5</b> )/ 0	_	то.	_		
	PY I OTY	\$	FY 97	\$	FY 98	FY 9	99 \$	FY 0	υ \$	FY 0	11 \$	FY 0	2 \$	FY 0	ა	TC		otal 🕝	ı
RDT&E PROCUREMENT Kit Quantity Installation Kits Installation Kit Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment	QTY	\$	QTY	\$	QTY S	VAR	•	QTY VAR	•	VAR	•	QTY VAR	·	QTY VAR	1.8	QTY	\$ QTY	6.8	
Other Interim Contractor Support Installation of Hardware (PY) Eqpt FY97 Eqpt						30	0.2	30	1.1	30	2.2	30	1.4	30	1.1		150.0	6.0	
FY98 Eqpt FY99 Eqpt FY00 Eqpt FY01 Eqpt FY02 Eqpt FY03 Eqpt FY03 Eqpt						30	0.2	30	1.1	30	2.2	30	1.4	30	1.1		30.0 30.0 30.0 30.0 30.0	1.1 2.2 1.4	
Total Installation Cost						30	0.2	30	1.1	30	2.2	30	1.4	30	1.1		150	6.0	
Total Procurement Cost						30	0.7	30	2.6		3.6	30	3.0		2.9		150		
METHOD OF IMPLEMENTATION:		•			ADMIN	NISTRATIV		DTIME:		VAR		P		JREMENT		TIME:	VAR		4
CONTRACT DATES:	FY 1997:					F	Y 1998	3						FY 1999					
DELIVERY DATE:	FY 1997:					F	Y 1998	3						FY 1999					
	PY			FY 9		4	1	FY 9	8 3	4			FY 2	99	4		FY	00 3	4
INSTALLATION SCHEDULE:		-				_										· <del></del>	' -		
INPUT												7	7	8	8		7 7	8	8
OUTPUT												7	7	8	8		7 7	8	8
			1	FY 0		4	1	FY 0	2 3	- 4			FY 2	03	4		_TC_		Total
INSTALLATION SCHEDULE:		_			-					<u>-</u>						•			
INPUT			7	7	8 8	3	7	7	8	8		7	7	8	8				150
OUTPUT			7	7	8 8	3	7	7	8	8		7	7	8	8				150

53SP AN/SMQ-11 UPGRADE (SHORE)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTUIFICATION:

THE AN/SMQ-11 IS AN ENVIRONMENTAL SATELLITE RECEIVER/RECORDER. THE UPGRADES WILL ALLOW THE SYSTEM TO RECEIVE AND PREPROCESS ADDITIONAL ENVIRONMENTAL SATELLITES, AND COMPLY WITH OPEN SYSTEMS

ARCHITECTURE STANDARDS.

#### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

THURSE E EAT. (\$ III IIIIII OIG)	PY	اہ	FY 97	FY 9		FY 9		FY 00		FY 01		FY 02		FY 0:		TC		otal	اہ	
RDT&E PROCUREMENT Kit Quantity Installation Kits Installation Kit Nonrecurring	QTY	\$	QTY \$		\$		\$		\$		\$		\$		\$	QTY	\$ QT\		\$	
Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other Interim Contractor Support				VAR	1.0	VAR	0.7	VAR	1.8	VAR	1.6	VAR	1.8	VAR	2.1		VAR	9.	0	
Installation of Hardware (PY) Eqpt FY97 Eqpt FY98 Eqpt				33	0.6		0.8	33	0.9	33	0.2	33	0.7	33	0.8		198.0	) 4.	0	
FY99 Eqpt FY00 Eqpt FY01 Eqpt FY02 Eqpt FY03 Eqpt FY03 Eqpt					0.0	33	0.8	33	0.9	33	0.2	33	0.7	33	0.8		33.0 33.0 33.0 33.0	0 0.	9 2 7	
Total Installation Cost				33	0.6	33	0.8	33	0.9	33	0.2	33	0.7	33	0.8		198	3 4.	0	
Total Procurement Cost				VAR		VAR		VAR	2.7	VAR	1.8	VAR		VAR	2.9		VAR	13.	0	
METHOD OF IMPLEMENTATION:				Α	MIM	ISTRATIV	E LEAI	DTIME:		VAR		P	ROCL	JREMENT	LEAD	ГІМЕ:	VAR			
CONTRACT DATES:	FY 1997:					F	Y 1998	3						FY 1999						
DELIVERY DATE:	FY 1997:					F	Y 1998	3						FY 1999						
	PY		1 FY	97	4		1	FY 98	3	4			FY 2		4		F\ 1	00	3	4
INSTALLATION SCHEDULE:		_				_														
INPUT							8	8	8	9		8	8	8	9		8 8	3	8	9
OUTPUT							8	8	8	9		8	8	8	9		8 8	3	8	9
		_	1 2	01 3	4	_	1	FY 02	3	<u>4</u>		1	FY 2		4		_TC_		_	Total
INSTALLATION SCHEDULE:																				
INPUT			8 8	8	9		8	8	8	9		8	8	8	9					198
OUTPUT			8 8	8	9		8	8	8	9		8	8	8	9					198

53SP SUPPLEMENTAL WEATHER RADAR (SWR) (SHORE)

 ${\tt MODELS\ OF\ SYSTEMS\ AFFECTED:}$ 

DESCRIPTION/JUSTUIFICATION:

THE SWR WILL PROVIDE REAL-TIME SURVEILLANCE AND ADVANCE WARNING OF POTENTIALLY SERVERE WEATHER

PHENOMENA DEVELOPING NEAR OR MOVING TOWARDS USN AND USMC UNITS.

## DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	PY		FY 9		FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	TC		Total		
	QTY	\$	QTY	\$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY	\$ QTY	\$ Q	YT)	\$	
RDT&E PROCUREMENT Kit Quantity Installation Kits Installation Kit Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data	2	1.0	7	2.5									9 3	3.50	
Training Equipment Support Equipment Other Interim Contractor Support Installation of Hardware (PY) Eqpt FY97 Eqpt FY98 Eqpt FY99 Eqpt FY09 Eqpt FY00 Eqpt FY01 Eqpt FY02 Eqpt FY03 Eqpt FY02 Eqpt FY03 Eqpt FY05 Eqpt			9 2 7	0.09 0.02 0.07									7 (	0.02	
Total Installation Cost		4.0	9 7	0.1 2.5										0.1	
Total Procurement Cost METHOD OF IMPLEMENTATION:	2	1.0		2.5		I IISTRATIVE LE <i>R</i>	DTIME:	2 MONTHS	PROCI	JREMENT LEA	DTIME:	3 MC	9 ONTHS	3.5	
CONTRACT DATES:	FY 1997:	3	3/97			FY 199	8			FY 1999					
DELIVERY DATE:	FY 1997:	6	6/97			FY 199	18			FY 1999					
	PY		_	FY 2		ı 1	FY 98	<u> </u>	1 FY	99	4		FY 00	3	4
INSTALLATION SCHEDULE:		_													
INPUT					3 6	5									
OUTPUT					2 2	2 2	2 3								
			_	FY 2		ı 1	FY 02	<u> </u>	1 FY	03	4	_TC		т.	otal
INSTALLATION SCHEDULE:		-	1		<b>3</b> 4	<u> </u>	∠ 3	<del>) 4</del>	12	. 3	<del>*</del>	_10	_		лаі
INPUT															9
OUTPUT															9

MODELS OF SYSTEMS AFFECTED

53SP SHIPBOARD METEOROLOGICAL AND OCEANOGRAPHIC OBSERVING SYSTEM (SMOOS) P3I (SHIP)

MODELS OF SYSTEMS AFFECTED: DESCRIPTION/JUSTUIFICATION:

SMOOS P3I WILL PROVIDE UPGRADES TO EXISITING SUITES TO ADDD SMALLER SENSORS SUCH AS RADIOMETERS (FY 9/6/97). UPGRADES TO SENSORS THAT COLLECT ATMOSPHERIC PRESSURE, TEMPERATURE, ADN WIND DIRECTION DATA (FY 98/99), TRANSMISSOMETERS ADN TOHER MISCELLANEOUS SENSORS (FY 00/01) AND DEPLOYABLE/REMOTE WEATHER SENSING DEVICES (FY 02/03).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

THANCIAL FLAN. (\$ III IIIIIIO115)	PY		FY 97	,	FY 98	FY	00	FY 0	0	FY 0	4	FY 0	2	FY 0	2	TC		Total		
	QTY	\$		s	QTY	\$ QTY	\$9		sl	QTY	ˈs		ے \$		s 	QTY	\$ QT		œ.	
RDT&E PROCUREMENT Kit Quantity Installation Kits Installation Kit Nonrecurring Equipment	VAR	0.2	QIT.	Đ	QH	VAR		VAR	*	VAR		VAR	·	VAR	3.3	QIT	VAR		14.3	
Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other Interim Contractor Support																				
Installation of Hardware (PY) Eqpt FY97 Eqpt						27	0.5	27	0.4	27	0.4	27	1.2	27	1.7		13		4.2	
FY98 Eqpt FY99 Eqpt FY00 Eqpt						27	0.5	27	0.4								2	0 27 27	0.0 0.5 0.4	
FY01 Eqpt FY02 Eqpt FY03 Eqpt										27	0.4	27	1.2	27	1.7		2	27 27 27	0.4 1.2 1.7	
FY TC Eqpt Total Installation Cost						27	0.5	27	0.4	27	0.4	27	1.2	27	1.7		13	)E	4.2	
Total Procurement Cost	VAR	0.2	VAR	0.3 \	VΔR	1.5 VAR		VAR		VAR		VAR		VAR	5.1		VAR		21.0	
METHOD OF IMPLEMENTATION:	VAIX	0.2	VAIX	0.5		MINISTRATI				VAR	2.2			REMENT		IME:	VAR		21.0	
CONTRACT DATES:	FY 1997:						FY 199	8						FY 1999						
DELIVERY DATE:	FY 1997:						FY 199	8						FY 1999						
	PY		1	FY 9	97 <u>3</u>	4	1	FY 9	8 3	4		1	FY 2		4			Y 00 2	3	4
INSTALLATION SCHEDULE:																				
INPUT												6	7	7	7		6	7	7	7
OUTPUT												6	7	7	7		6	7	7	7
INSTALLATION SCHEDULE:		•	1	FY (	3	4	1	FY 03	3	4	•	1	FY 2		4		TC			Total
INPUT			6	7	7	7	6	7	7	7		6	7	7	7					135
OUTPUT			6	7	7	7	6	7	7	7		6	7	7	7					135

# UNCLASSIFIED

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										• • •			•••		-		٠.											חסח	FX	нівіт	Г Р-2	1Δ)				· CD	1331					
PROP	RIATION/BUDGET ACT	VITY														P-1	ITEM	NO	MEN	CLA	URE							,505				,				SUB	HEA	D N	0.			_
.N - B	A3 AVIATION SUPPOR	T EQUIP	MEN	IT													MET	EOI	ROLC	GIC	AL E	QUIP	MEN	IT	4226	600													538	Р		
			s		ACCEP	BAL					FISC	CAL	/EAF	₹	97								FISC	AL Y	EAR		98								FISC	AL Y	YEAR	₹	99			_
OST	ITEM/MANUFACTURER		Е	PROC	PRIOR	DUE		96						CAL	.END	AR Y	/EAR		97						-	CAL	END	AR YE	EAR	98						CAL	END	AR '	/EAF	₹ 99		_
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			v		30-Sep	30-Sep	С	0	Е	Α	Е	Α	Р	Α	U	U	U	Е	С	О	Е	Α	Е	Α	Р	Α	U	U	U	Е	С	0	E	Α	Е	Α	Р	Α	U	U	U	Е
		FY					т	v	С	N	В	R	R	Υ	N	L	G	Р	т	v	С	N	В	R	R	Υ	N	L	G	Р	т	v	С	N	В	R	R	Υ	N	L	G	Р
115	MRS UPGRADES	96		60		60		Α			10	10	10	10	10	10																					Г					
		97		68		68			Α			10	10	10	10	10	10	8																								
P130	ASOS	96		16	9	7	3	3	1																																	
P500	WEATHER RADAR	96		2		2			Α			2																														
		97		7		7						Α			1	1	1	1	1	1	1																L_'					
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							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	J.L.	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

	PRODUCTION	ULE	REACHED	
MANUFACTURER'S NAME & LOCATION	MINIMUM	185	MAX.	D+
	SUST.			
VAISALA, MA	10		10	

PROCUE	REME	NT L	EAD TIM	E
	ADM	N	MANUFAC-	
	LEAD	TIME	TURING	TOTAL
	PRIOR	AFTER	TIME	AFTER 1
	30-Sep	30-Sep		ост
INITIAL		3	2	6
REORDER				

REMARKS			

NAVMAT FORM 7110/4 (REVISED 11/77)

P-1 SHOPPING LIST ITEM NO. 136 PAGE NO. 13

UNCLASSIFIED CLASSIFICATION

# UNCLASSIFIED

## CLASSIFICATION

	TION								A. DATE		
REQUI	REMENTS	STUDY - NO	T INSTALLE	D NONCO	NSUMABLE	S				Feb 1997	
B. APPROPRIA	TION/BUDGET	ACTIVITY				C. P-1 ITEM N	OMENCLATURE		1		
OP,N - BA3 AVIA	ATION SUPPOI	RT EQUIPMENT						CAL EQUIPMEN			53SP
ITEM			TOTAL I/O REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 AND PRIOR FUNDS	PLANNED BUDGET YEAR (FY97) PROCUREMENT	PLANNED BUDGET YEAR (FY98) PROCUREMENT	PLANNED BUDGET YEAR (FY99) PROCUREMENT	BALANCE	PHASING RATIONALE
SP115	MRS UPGRAI	DES	128			60	68				Complete
SP130	ASOS		85		78	7					Complete
SP500	WEATHER RA	ADAR	9			2	7				Complete
ITEM #1	SP115	MRS UPGRADI		ITEM #2	MEMO EN	ASOS		ITEM #3	SP500	WEATHER RAD	
hull/location SHIP SHORE MOBILE TEAMS CV/CVN, LHA,	qty 28 47 53	hull/location		hull/location NAS/NAVSTA	qty 85	hull/location	qty	hull/location SHORE	qty 9	hull/location	qty
LHD, LPH, AGF,											
LCC		TOTAL I/O	128			TOTAL I/O	85			TOTAL I/O	9
ITEM #4				ITEM #5			30	ITEM #6			
hull/location	qty	hull/location	qty	hull/location	qty	hull/location	qty	hull/location	qty	hull/location	qty
		TOTAL I/O				TOTAL I/O				TOTAL I/O	

Exhibit P-23B
UNCLASSIFIED
CLASSIFICATION DD FORM 2447-1, JUN 86 P-1 SHOPPING LIST ITEM NO. 136 PAGE NO. 14

# **UNCLASSIFIED**

		BUDGET ITE	M JUSTIFICAT	TION SHEET			DATE: February 1997			
					P-1 ITEM NOME	NCLATURE				
OTHER PROCUREMENT, NAVY			OTHER PHOTO	GRAPHIC EQUIP	PMENT					
<b>BA 3 - AVIATION SUPPORT EQUIPMEN</b>	т									
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003		
QUANTITY										
COST										
(In Millions)	0.7	0.7	0.8	1.0	0.9	1.0	1.0	1.0		

The Naval Air Systems Command is tasked to fund transition of CV photographic labs from traditional film technology to digital imagery technology, CNO Memo Ser 09B/2U2501983 of 23 Oct 92 applies. The CV main photographic lab supports the full visual imaging program afloat to include: Carrier Intelligence Center (CVIC) support (Bomb Damage Assessment (BDA) and target imagery), incidents and accidents at sea, medical media, copy and reproduction, investigation, aerial and surface surveillance, combat camera, safety, training and Public Affairs Office (PAO).

Electronic/digital imagery acquisition media is rapidly expanding (ATARS, TAMPS, JSIPS). It is imperative the CV photo lab be able to interface with the new electronic media. Hard copy imagery is required in the documentation of real world events (drug interdiction program, humanitarian relief efforts, shipboard and flight operational documentation). This imagery is used at all levels within DoD including CNO, SECNAV, JCS, National Military Command Center and the White House. Hard copy photographs are used in the decision making process by the Fleet and Battle Group Commanders and directly impacts the overall Navy mission. Digital imagery can be quickly disseminated via shipboard communication systems to support decisions makers at the local, theater, and global levels (CVBG, CINC, and JCS).

Digital technology will generate less environmentally damaging effluents, and have no impact on shipboard water consumption currently used in traditional photographic processes. Electronic imaging is less manpower intensive and requires less maintenance and overall support resources than traditional mechanical hardware.

In order to fully utilize the film technology employed on CV's, a two phase transition plan will be implemented. An interim photo lab was installed to interface with existing film technology which will allow the CV to maintain 100% mission capability until final digital installation.

LANT and PAC deployment schedules and pier-side availability determine the installation schedule. Phase II digital capability began in late FY 95/early FY 96, to be complete in FY 03.

Digital Photo Lab Phase I includes one hard-mounted electronic work station, one portable backup workstation, one high capacity digital printer, three digital hand-held cameras, and the software to run this equipment. Digital Photo Lab Phase II adds DPL Phase II workstations (comprised of two hard-mounted electronic work stations and one portable backup workstation), one large format digital printer, one high resolution printer, a LAN server to tie them together, eight digital color cameras, and some miscellaneous small equipments/software required to tie Phase I and Phase II labs together. Phase I equipment installations were completed in CY 95, Phase II is funded from FY 95 through FY 03.

P-1 SHOPPING LIST

**CLASSIFICATION:** 

ITEM NO. 137 PAGE NO. 1 OF 7

DD Form 2454, JUN 86

# **UNCLASSIFIED**

	WEAPONS SYSTEM	I COST A P-5	NALYS	SIS					DATE:	FEB 1997
OTHER	PRIATION/BUDGET ACTIVITY PROCUREMENT, NAVY AVIATION SUPPORT EQUIPMENT			P-1 ITEM NOMEN OTHER PHOTO		RE/SUBHEAD HIC EQUIPMENT	•		Y3SX	
					TOTAL	COST IN THOUS	NDS O	FDOLLARS		
COST	ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997		FY 1998		FY 1999
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
SX008 SX019 SX020 SX021	PHOTO EQUIPMENT UNDER \$100K DIGITAL COLOR PRINTER * ELECTRONIC WORKSTATION SYSTEM ** DIGITAL SLR COLOR CAMERA	A A A	2	142 132 136 0	5 1	159 136 140 0	2 10	11 0 280 266	2 11	11 0 280 285
SX830 SX900	PRODUCTION ENGINEERING & LOGISTICS SUPPORT INSTALLATION (NON-FMP)	A A		49 250		130 147		94 154		65 318
	* FY 97 represents Laser Master large format p ** Quantities reflect one complete system comp			ted workstations, 1 p	oortable b	ackup workstation,	1 LAN se	rver, and peripherals	S.	
		TOTAL		709		712		805		959
DD 500	M 2446 IIIN 06	D 4 CHO	DDINIO I					CL ASSISICATION		

**DD FORM 2446, JUN 86** 

P-1 SHOPPING LIST

ITEM NO. 137 PAGE NO. 2 OF 7

**CLASSIFICATION:** 

# **UNCLASSIFIED**

OTHER PROCURE!	N/BUDGET ACTIVITY MENT, NAVY UPPORT EQUIPMENT			-	M NOMENCL	ATURE	г	SUBHEAD Y3SX			
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE	
DIGITAL COLOR PRINTER FY 1996 FY 1997	XEROX, McClean, VA TBD	C/MIPR/FP C/MIPR/FP	NRAD, PHILA NRAD, PHILA	Jun-96 Jun-97	Sep-96 Sep-97	2 5	66.0 27.2	YES YES	NO NO	N/A N/A	
ELECTRONIC WORK- STATION SYSTEMS FY 1996 FY 1997 FY 1998 FY 1999	TBD TBD TBD TBD	C/MIPR/FP C/MIPR/FP C/MIPR/FP C/MIPR/FP	NRAD, PHILA NRAD, PHILA NRAD, PHILA NRAD, PHILA	Jun-96 Jun-97 Jun-98 Jun-99	Sep-96 Sep-97 Sep-98 Sep-99	1 * 1 * 2 2	136.0 140.0 140.0 140.0	YES YES YES YES	NO NO NO	N/A N/A N/A	
DIGITAL SLR COLOR CAMERA FY 1998 FY 1999	TBD TBD	C/MIPR/FP C/MIPR/FP	NRAD, PHILA NRAD, PHILA	Jun-98 Jun-99	Sep-98 Sep-99	10 11	26.6 25.9	YES YES	NO NO	N/A N/A	

# D. REMARKS

ITEM NO. 137 PAGE NO. 3 OF 7 CLASSIFICATION:

<sup>\*</sup> Unit costs vary due to system comprising various equipment.

	MOE	DIFICATION	INSTALLAT	TON SUMM	ARY		DATE		
			XHIBIT P-3					FEB 1997	
		(TOA,	Dollars in M	illions)	1				
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM N				
OTHER PROCUREMENT, NAVY				OTHER PH	OTOGRAPI	HIC EQUIPM	IENT		
BA 3 - AVIATION SUPPORT EQUIPME	NT								
System/Modification	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TOTAL
Digital Photo Lab/Installation									
DPL Phase II	0.3	0.1	0.2	0.3	0.3	0.2	0.2	0.2	1.8
TOTAL	0.3	0.1	0.2	0.3	0.3	0.2	0.2	0.2	1.8

P-1 SHOPPING LIST

ITEM NO.

137 PAGE NO. 4 OF 7

CLASSIFICATION:

CLASSIFICATION: UNCLASSIFIED P3A		INDIVIC	JUALI	MODIFIC	CATIC	N														
MODIFICATION TITLE: Digital Photo Lab (Phase II) MODELS OF SYSTEM AFFECTED: CVs, C\CVNs, CNET								<b>5</b>								<b>5</b> 1				
DESCRIPTION/JUSTIFICATION: Funds transition CV/CVN DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILES						jital imaç	gery. I	Phase II	provide	es additi	onal s	ystems a	and ca	pabilities	s abov	/e Phase	: I suit	.es.		
DEVELOF MENT STATOS/MAJOR DEVELOF MENT MILES	,	6 & Prior		Y 1997	,	<u>Y 1998</u> ′\$	<u>FY</u> QTY	<u>Y 1999</u> ′\$	<u>FY</u> QTY	<u>/ 2000</u> ′ \$	<u>F\</u> QTY	Y 2001 ′ \$	<u>FY</u> QTY	<u>Y 2002</u> Y \$	<u>FY</u> QTY	Y 2003 ′ \$	QTY	<u>TC</u> / \$	QTY	TOTAL '\$
FINANCIAL PLAN (IN MILLIONS)			<u> </u>		α		<u> </u>		<u> </u>		<u> </u>		α		<u> </u>		σ		α	
RDT&E																				0.000
PROCUREMENT																				
INSTALLATION KITS	3	0.801	1	0.565	2	0.651	2	0.641	1	0.610	1	0.791	1	0.801	1	0.818			12	5.678
INSTALLATION KITS - UNIT COST		0.267		0.565		0.326		0.321		0.610		0.791		0.801		0.818				
INSTALLATION KITS NONRECURRING																				0.000
EQUIPMENT																				0.000
EQUIPMENT NONRECURRING																				0.000
ENGINEERING CHANGE ORDERS																				0.000
DATA																				0.000
TRAINING EQUIPMENT																				0.000
SUPPORT EQUIPMENT																				0.000
OTHER																				0.000
INTERIM CONTRACTOR SUPPORT																				0.000
NSTALLATION OF HARDWARE																				
FY 1996 EQUIPMENT & PRIOR	2	0.250																	2	0.250
FY 1997 EQUIPMENT			1	0.147															1	0.147
FY 1998 EQUIPMENT					1	0.154													1	0.154
FY 1999 EQUIPMENT							2	0.318											2	0.318
FY 2000 EQUIPMENT									2	0.328									2	0.328
FY 2001 EQUIPMENT											1	0.169							1	0.169
FY 2002 EQUIPMENT													1	0.175					1	0.175
FY 2003 EQUIPMENT															1	0.181			1	0.181
TO COMPLETE																	1	0.200	1	0.200
TOTAL INSTALLATION COST	2	0.250	1	0.147	1	0.154	2	0.318	2	0.328	1	0.169	1	0.175	1	0.181	1	0.200	12	1.922
TOTAL PROCUREMENT COST	3	1.051	1	0.712	2	0.805	2	0.959	1	0.938	1	0.960	1	0.976	1	0.999	0	0.200	12	7.600
TOTAL COST	_	1.051		0.712		0.805	_	0.959		0.938		0.960		0.976		0.999	-	0.200		7.600
METHOD OF IMPLEMENTATION:					ADN	IINISTR	ATIVE	LEADTII	18 1	MO.	P	RODUCT	ΓΙΟΝ	LEADTI	ME:	3 MO.				
CONTRACT DATE:	FY 1997	: JUNE 1	997			FY 1998		JUNE			FY 1	999:		JUNE 1	999					
PRODUCTION DELIVER DATE:	FY 1997	: SEP 19	997			FY 1998	8:	SEP 1	1998		FY 1			SEP 19	99					

 P-3A

 ITEM
 137
 PAGE 5 OF 7
 CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION:	UNCLAS	SIFIE	ט																													
P3A (Continued)									INDI\	/IDUA	L MC	DIF	CATI	ON (	Contir	nued)																<u></u>
MODIFICATION TITE	E:	DIG	ITAL	PHO.	TO LA	AB (P	HASE	∃ II)																								
INSTALLATION S	CHEDULE	:																														
INPUT ===>	FY 1996		FY 1	997			FY 1	1998			FY 1	999			FY 2	2000			FY 2	2001			FY 2	2002			FY 2	2003		TC	3	
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			TOTAL
FY 1996 & Prior	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		2
FY 1997	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1
FY 1998	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1
FY 1999	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		2
FY 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0		2
FY 2000 FY 2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		4
FY 2001 FY 2002	0	-	0	-	0	-	-	0	-	-	•	-	0	0	0	0	-	-	0		0	0	0	0	4	_	0	0	-			1
	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0		0	0		1
FY 2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		1
TO COMPLETE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	_ 1		1
																															TOTAL INPUT	12
														_																	_	
OUTPUT ==>	FY 1996		<u>FY 1</u>				<u>FY 1</u>				<u>FY 1</u>					2000			<u>FY 2</u>					2002				2003		TC	2	
	& Prior	1_	2	3	4	1	2	3	4	1_	2	3	4	1	2	3	4	1	2	3	4	1_	2	3	4	1	2	3	4			<u>TOTAL</u>
FY 1996 & Prior	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		2
FY 1997	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1
FY 1998	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1
FY 1999	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		2
FY 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0		2
FY 2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		1
FY 2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		1
FY 2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		1
TO COMPLETE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		1
																															TOTAL OUTPUT	12
																																P-3A
														ITE	M 137	,			DAC	F 6 C	)E 7							CL A	COIL	IC A	TION: LINCLASS	

ITEM 137 PAGE 6 OF 7

CLASSIFICATION: UNCLASSIFIED

# **UNCLASSIFIED**

CLASSIFICATION:	REQUIREMENTS		Γ-INSTALLED	NONCONSUMA	BLES P-23B			DATE	February 1997
APPROPRIATION/BUDGET ACTIV	/ITY			P-1 ITEM NOMENCL OTHER PHOTOGRAM					
ITEM/PROJECT UNIT	TOTAL IO / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
DIGITAL COLOR PRINTER	52	2	40	0	5	0	0	5	FISCAL CONSTRAINTS
ELECTRONIC WORKSTATION SYSTEMS	13	1	3	0	1	2	2	4	OUTYEAR FUNDING
DIGITAL SLR COLOR CAMERA	168 *	0	60	0	0	10	11	87	OUTYEAR FUNDING
			MEMO EN	rries					
OST CODE: SX019	SX020		SX021 (PHAS		* 60 DIGITAL SLR C	OLOR CAMERAS			
DIGITAL COLOR PRINTER	ELECTRONIC W/S SY	STEM	DIGITAL SLR CO			FOR PHASE I AND	HAVE		
CV-63 CV-64 CV-67	CV-63		CV-63		ALREADY BEEN INS	STALLED.			
CVN-65 CVN-69 CVN-70	CV-64 CV-67 CVN-	74	CV-64 CV-67	CVN-74					
CVN-71 CVN-72 CVN-73	CVN-65 CVN-69 CVI	N-70	CVN-65 CVN-69	CVN-70	PHASE I 60				
CVN-74	CVN-71 CVN-72 CVI	N-73	CVN-71 CVN-72	CVN-73	PHASE II 108	<u>3.</u>			
CVs 40	CVs	10	CVs	80	TOTAL 168				
CNET PNCLA 4	CNET PNCLA	1	CNET PNCLA	8					
CFA 4	CFA	1	CFA	8					
NIMTC 4	NMITC	1	NIMTC	8					
TOTAL 52	TOTAL	13	SPARES TOTAL	4 108 *					

P-1 SHOPPING LIST

ITEM NO. 137 PAGE NO. 7 OF 7

CLASSIFICATION:

	BUDGET ITEM JUSTIFICATION SHEET DATE:													
	BUDGET ITEM JUSTIFICATION SHEET													
			P-40				FEBRUA	RY 1997						
APPROPRIATION/BUD(	GET ACTIVITY		P-1 ITEM NOMENCLATURE											
Other Procuremen	t, Navy													
<b>BA 3 AVIATION SU</b>	JPPORT EQI	JIPMENT	AVIATION LIFE SUPPORT SYSTEMS											
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003						
QUANTITY														
COST														
(In Millions)	<b>\$15.2</b>	<b>\$13.5</b>	<b>\$15.3</b>	<b>\$27.8</b>	<b>\$26.5</b>	\$29.4	\$30.0	\$30.7						

This account provides for the acquisition, upgrade and production support of aviation life support systems required for the personal safety and protection of aircrew against the hazards encountered in the aircraft operating environment and for safe recovery of downed aircrew.

# PRC-125 - SY010

-A Search and Rescue Wet Swimmer's Radio that provides a hands-off communications link to the Rescue helicopter. IO is 1,180. Procurements are planned in FY 98 and FY99. 785 radios were procured in prior years.

# SURVIVAL RADIO - SY030

-The next generation non-combat survival radio which will replace the PRC-90 and PRC-90-2. IO is 20,000. Procurement commences in FY 98.

## PRC-112 P3I (GPS) - SY045

-Survival system upgrade to provide rapid, line-of-sight, two-way Global Positioning system (GPS) data communication capability with a survivor using a modified AN/PRC-112 Radio Set (Aircrew Survivial Radio). OSD INTEREST PROGRAM. IO is 1,000. Procurement in FY 95 & 96.

# PRC-112 P3I (GPS) INTERROGATOR - SY046

-Portable interrogator equipment to send, receive and decipher data burst information from the AN/PRC-112P3I (GPS) Radio. IO is 12. Procurement occurred in FY 96.

# PRC-112 UPGRADES - SY048

-Upgrades to correct operational deficiencies identified in the basic PRC-112 Survival Radio. IO is 3,676. Procurement commences in FY 97.

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 138 PAGE NO. 1 OF 14

# BUDGET ITEM JUSTIFICATION SHEET P-40 APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT DATE: FEBRUARY 1997 AVIATION LIFE SUPPORT SYSTEMS

## COMBAT SURVIVOR EVADER LOCATOR - SY060

-(Joint Program, Air Force lead) A satellite and communications interface system that will be used by forward deployed aircrews for geopositioning and communications relay. IO is 9,000. Procurement of this new item commences in FY 98.

# LASER EYE PROTECTION-SY080

-(Joint Program, Navy lead) Laser Eye Protection which is both day and night capable and compatible with new TACAIR and helicopter helmets to protect against existing and projected laser threats. IO is 7,800. Procurement commences in FY 97.

#### CWU-60/P-SY100

-An exposure suit for Carrier On-Board Delivery/Vertical On-Board Delivery (COD/VOD) aircrew. IO is 4,350. Procurements are planned in FY 96 through FY 99.

# HELICOPTER EMERGENCY EGRESS DEVICE P3I(HEED P3I)-SY110

-An improved and smaller device than the current HEED. Provides improved performance, reliability, maintainability, and compatibility with aircrew life support and personal protective equipment. IO is 6,000. Procurements are planned in FY 96 and FY 97.

# AIRCREW INTEGRATED SURVIVAL/ARMOR PROTECTION (AISAP)-SY120.

-An optimized vest/armor system with modularity for the mission specific requirements of combat helicopter aircrews. IO is 3,568. Procurements are planned in FY 96 through FY 98

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 138 PAGE NO. 2 OF 14

# BUDGET ITEM JUSTIFICATION SHEET P-40 APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy DATE: FEBRUARY 1997 AVIATION LIFE SUPPORT SYSTEMS

# PASSENGER AND TROOP SURVIVAL SYSTEM (PATSS)-SY130

**BA 3 AVIATION SUPPORT EQUIPMENT** 

-A system developed to provide personal flotation that is compatible with other protective, survival and combat equipment. IO is 8,652. Procurements are planned in FY 96 through FY 99.

# PASSENGER ANTI-EXPOSURE SURVIVAL SYSTEM (PAESS)-SY140

-Provides an easily donned reusable anti-exposure system which will prolong survival time in cold water and increase chances of a successful rescue at sea for passengers. IO is 2,100. Procurements are planned in FY 96 and FY 97.

## **EXTREME COLD WEATHER SURVIVAL KITS-SY145**

-The kit supplements the items in the survival vest and the life rafts for extreme cold weather land survival. IO is 147. Procurement commenced in FY 96.

#### MINI-RAFT BACK PACK-SY150

-Constant wear emergency flotation platform for helicopter aircrewman. IO is 5,900. Procurements commenced in FY 96.

#### NAVY COMBAT EDGE-SY170

-This is a Congressional interest program. An integrated aircrew flight ensemble which provides significant G protection by An extended coverage lower anti-G garment used with regulated positive pressure breathing balanced by an upper torso counterpressure vest. This system is an adaptation to the USAF Combat Edge system to make it compatible with USN/USMC aircraft and aircrews. IO is 1,821. Procurements are planned in FY 96 through FY 99.

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 138 PAGE NO. 3 OF 14

#### **UNCLASSIFIED CLASSIFICATION:**

### **BUDGET ITEM JUSTIFICATION SHEET** P-40

**FEBRUARY 1997** 

APPROPRIATION/BUDGET ACTIVITY

Other Procurement, Navy

**BA 3 AVIATION SUPPORT EQUIPMENT** 

P-1 ITEM NOMENCLATURE

**AVIATION LIFE SUPPORT SYSTEMS** 

DATE:

AMELIA-SY175

-This is a Congressional interest program. An integrated aircrew flight ensemble which provides small and large aviators, including females, with new and/or upgraded systems to ensure safe and effective performance in Naval aircraft. IO is 1,200. Procurements commence in FY 98.

### AIRCREW COOLING-SY180

-A micro climatic cooling system worn by NAVY/USMC Aircrew operating with a chemical biological respiratory system. IO is 7,787. Procurement commences in FY 99.

### **NIGHT VISION DEVICES -SY210**

-Night Vision Devices (NVD) are used by Rotary Wing, Fixed Wing, and TACAIR platforms as a situational awareness enhancement for Night operations and are critical to mission success. IO is 1,000, Procurement of this item commences in FY 97. Included in the initial FY 97 procurement is peculiar support equipment.

#### LOW PROFILE FLOTATION COLLAR-SY220.

-A flotation device for aircrews that is less bulky and better integrates with existing life support equipment aircrew stations. IO is 10,700. Procurement of this item commences in FY 97.

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 138 PAGE NO. 4 OF 14 DD Form 2454, JUN 86

	WEA	PONS S	SYSTEM	COST ANALYS	SIS				DATE:	
			P-	5					FEBRUA	ARY 1997
APPRO	PRIATION/BUDGET ACTIVITY			P-1 ITEM NOMENO	CLATURE	/SUBHEAD			•	
Other I	Procurement, Navy									
<b>BA 3 A</b>	VIATION SUPPORT EQUIPMENT				A۱	VIATION LIFE	SUPPO	RT SYSTEMS	43 <b>S</b> Y	
					TOTAL C	OST IN THOUSAN	DS OF D	OLLARS		
COST	ELEMENT OF COST	IDENT		FY 1996		FY 1997		FY 1998	F	Y 1999
CODE		CODE								
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
SY010	PRC-125	Α		0	0	0	198	396	197	394
SY030	SURVIVAL RADIO	В		0		0	250	300	600	63
SY045	PRC-112 P3I (GPS)	Α	500	4,563		0		0		
SY046	PRC-112 P3I (GPS) INTERROGATOR	Α	12	595		0		0		
SY048	PRC-112 UPGRADES	Α		0	1,838	551	1,838	551		
SY060	COMBAT SURVIVOR EVADER LOCATOR	В		0		0	595	4,165	2,340	13,33
SY080	LASER EYE PROTECTION	В		0	1,500	500	636	700	1,000	1,00
SY100	CWU-60/P	Α	794	556	1,435	1,004	1,060	742	1,061	74
SY110	HEED P3I	Α	4,500	1,142	1,500	1,180		0		
SY120	AISAP (BODY ARMOR)	Α	1,000	1,220	865	1,072	853	1,058		
SY130	PATSS	Α	1,687	277	2,551	638	2,551	638	1,863	52
SY140	PAESS	Α	1,000	682	650	553		0		
SY145	EXTREME COLD WEATHER SURVIVAL KIT	Α	147	301		0		0		
SY150	MINI-RAFT BACKPACK	Α	400	272	660	363	1,475	590	1,475	59
SY170	NAVY COMBAT EDGE	В	284	1,136	219	876	430	1,720	409	1,63
SY175	AMELIA	Α		0	0	0	500	425		30
SY180	AIRCREW COOLING	В		0		0		0	417	50
SY210	NIGHT VISION DEVICES	Α	0	0	248	1,882	216	1,566	536	3,67
SY220	LOW PROFILE FLOTATION COLLAR	Α		0	1,500	500	1,465	498	2,500	900
SY830	PRODUCTION SUPPORT SERVICES			4,453		4,334		1,996		3,54
		1		15,197		13,453		15,345		27,77

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 138 PAGE NO. 5 OF 14

### **UNCLASSIFIED**

	BUDGET PROCUREMENT	HISTORY AN	D PLANNING E	XHIBIT (P-5A	<b>(</b> )				A. DATE	
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NO	MENCLATURE			SUBHEAD		JARY 1997
Other Procurement, Navy BA 3 - AVIATION SUPPORT EQ	UIPMENT			AVIATION I	IFE SUPPORT	SYSTEMS	8		4	3SY
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
SY010 PRC-125 FY-1998 FY-1999	TBD TBD	COMP/FFP OPTION	NICP, PHIL NICP, PHIL	06/98 02/99	06/99 02/00	198 197	2,000.0 2,000.0	YES	YES	11/96
SY030 SURVIVAL RADIO FY-1998 FY-1999	TBD TBD	COMP/FFP OPTION	NAWC PAX	05/98 02/99	05/99 02/00	250 600	1,200.0 1,050.0	NO	N/A	N/A
SY045 PRC-112 P3I (GPS) FY-1995 FY-1996	MOTOROLA TBD	SS COMP/FFP	USAF LA AFB NAWC PAX	08/95 04/97	08/96 10/97	500 500	7,010.0 9,126.0	YES YES	N/A N/A	N/A N/A
SY046 PRC-112 P3I (GPS) INTERROGATOR FY-1996	MOTOROLA,SCOTTSDALE, AZ	COMP/FFP	USAF LA AFB	08/96	01/97	12	49,583.0	YES	N/A	N/A
SY048 PRC-112 UPGRADES FY-1997 FY-1998	US ARMY, TOBYHANNA US ARMY, TOBYHANNA	TBD OPTION	NAWC INDY	05/97 05/98	05/98 05/99	1,838 1,838	300.0 300.0	YES	YES	12/96
SY060 COMBAT SURVIVOR EVADER LOCATOR FY-1998 FY-1999	BOEING BOEING	COMP/FFP OPTION	USAF USAF	05/98 01/99	01/99 09/99	595 2,340	7,000.0 5,700.0	NO	N/A	N/A
SY080 LASER EYE PROTECTION FY-1997 FY-1998 FY-1999 D. REMARKS	KAISER, CA (SPECS) AOTEC, MASS (VISORS) TBD	COMP/FFP COMPT/FFP OPTION	TBD TBD	03/97 06/98 01/99	12/97 03/99 10/99	1,500 636 1,000	333.0 1,100.0 1,000.0	NO, SEP 96 NO	NO N/A	N/A N/A

#### D. REMARKS

DD Form 2446-1, JUL 87 ITEM NO. 138 PAGE NO. 6 OF 14 CLASSIFICATION:

SY045 -- FY 95 is Joint radio, procured via USAF, FY 96 is competitive radio procured by Navy.

SY046 -- FY96 Procurement includes special cabling.

SY080 -- FY 97 Procurement is for LASER spectacles, FY 98-99 is for LASER visors.

CLASSIFICATION.	BUDGET PROCUREMENT HIST	ORY AND PLAN		'-5A)					A. DATE	
B. APPROPRIATION/BUDGET AC Other Procurement, Navy	CTIVITY			C. P-1 I7	EM NOME	NCLATURE		SUBHEAD	•	43SY
BA 3 - AVIATION SUPPORT EQUIP	PMENT			AVIATIO	N LIFE SUP	PORT SYST	EMS			
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
SY100 CWU-60/P										
FY-1996 FY-1997 FY-1998 FY-1999	MUSTANG, WA MUSTANG, WA MUSTANG, WA MUSTANG, WA	COMP/FFP FFP/OPTION FFP/OPTION	NICP PHIL NICP PHIL NICP PHIL NICP PHIL	11/96 02/97 01/98 10/98	05/97 9/97 09/98 6/99	794 1,435 1,060 1,061	700.0 700.0 700.0 700.0	YES	NO	N/A
SY110 HEED P3I										
FY-1996 FY-1997	US DIVERS/AQUA-LUNG, CA	COMP/FFP FFP/OPTION	NAWCAD NAWCAD	07/96 03/97	05/97 4/98	4,500 1,500	254.0 254.0	YES	NO	N/A
SY120 AISAP (ARMOR)										
FY-1996	TBD	COMP/FFP	NAWCAD	09/96	05/97	1,000	1,220.0	YES	NO	N/A
FY-1997	TBD	COMP/FFP	DPSC	04/97	12/97	865	1,239.0			
FY-1998	TBD	FFP/OPTION	DPSC	01/98	09/98	853	1,240.0			
SY130 PATSS										
FY-1996	SWITLIK, NJ	COMP/FFP	NICP PHIL	09/96	06/97	1,687	164.0	YES	NO	N/A
FY-1997	TBD	COMP/FFP	NICP, PHIL	03/97	12/97	2,551	250.0			
FY-1998	TBD	FFP/OPTION	NICP, PHIL	03/98	12/98	2,551	250.0			
FY-1999	TBD	FFP/OPTION	NICP, PHIL	03/99	12/99	1,863	280.0			
SY140 PAESS										
FY-1996	TBD	COMP/FFP	NICP, PHIL	2/97	9/97	1,000	682.0	YES	NO	N/A
FY-1997	TBD	COMP/FFP	DPSC, PHIL	5/97	02/98	650	850.0			
SY145 EX. COLD WEATHER KIT										
FY-1996	EXPLORATION PRODUCTS, WA	COMP/FFP	NICP, PHIL	11/96	01/97	147	2,045.0	YES	NO	N/A
SY150 MINI-RAFT BACKPACK										
FY-1996	PATTEN, FL	COMP/FFP	NICP, PHIL	09/96	06/97	400	680.0	YES	NO	N/A
FY-1997	TBD	COMP/FFP	NICP, PHIL	01/97	10/97	660	550.0			
FY-1998	TBD	OPTION	NICP, PHIL	01/98	10/98	1,475	400.0			
FY-1999	TBD	OPTION	NICP, PHIL	01/99	10/99	1,475	400.0			

### D. REMARKS

DD Form 2446-1, JUL 87 ITEM NO. 138 PAGE NO. 7 OF 14 CLASSIFICATION: UNCLASSIFIED

SY110 -- FY97 PROCUREMENT INCLUDES \$800K FOR SUPPORT EQUIPMENT.

SY120 -- FIRST YEAR PROCUREMENT IS A SOLE SOURCE PROCUREMENT THROUGH GSA TO SATISFY AN URGENT USMC REQUIREMENT. FOLLOW-ON PROCUREMENTS WILL BE COMPETITIVE.

SY140 -- FY95 EFFORT MODIFIES EXISTING ASO ASSETS BY NAVY IMA'S, FY96 EFFORT MODIFIES EXISTING ASO ASSETS BY AN INDEPENDENT CONTRACTOR, FY97 EFFORT BUYS NEW SYSTEMS WITH A NAVY DATA PACKAGE.

CLASSIFICATION: B	UDGET PROCUREMENT HI	UNCLASSIFIED STORY AND PLANI		5A)					A. DATE	
				T				T==-	FEBRUAR	Y 1997
B. APPROPRIATION/BUDGET ACTIVIT	Y			-	EM NOMEN	-		SUBHEAD		40014
Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMEN	-			SYSTEMS	I LIFE SUPF	ORI				43SY
BA 3 - AVIATION SUPPORT EQUIPMEN	·	CONTRACT		STSTEMS	DATE OF	1		SPECS	SPEC	IF YES
Cost Element/	CONTRACTOR	METHOD	CONTRACTED	AWARD	FIRST	QUANTITY	UNIT	AVAILABLE	REV	WHEN
FISCAL YEAR	AND LOCATION	& TYPE	BY	DATE	DELIVERY	Q0/111111	COST	NOW	REQ'D	AVAILABLE
	200/						(000)			
SY170 NAVY COMBAT EDGE										
FY-1996	TBD	COMP/FFP	USAF/NICP PHIL	4/97	1/98	284	4,000.0	YES	NO	N/A
FY-1997	TBD	OPTION	<b>USAF/NICP PHIL</b>	4/97	7/98	219	4,000.0			
FY-1998	TBD	OPTION	<b>USAF/NICP PHIL</b>	01/98	12/98	430	4,000.0			
FY-1999	TBD	OPTION	USAF/NICP PHIL	01/99	11/99	409	4,000.0			
SY175 AMELIA										
FY-1998	TBD	COMP/FFP	NICP PHIL	11/97	11/98	500	850.0	N0	NO	N/A
FY-1999	TBD	COMP/FFP	NICP PHIL	6/99	6/00	400	750.0			
DV400 AIDODEW GOOLING										
SY180 AIRCREW COOLING FY-1999	TBD	COMP/FFP	TBD	04/99	04/00	417	1,200.0			
1-1999	TBD	COMPIFE	IBD	04/99	04/00	417	1,200.0			
SY210 NIGHT VISION DEVICES										
Y-1997	ITT,ROANOKE, VA	COMP/OPTION	US ARMY	01/97	07/97	248	7,185.0	YES	NO	N/A
FY-1998	ITT,ROANOKE, VA	COMP/OPTION	US ARMY	01/98	07/98	216	7,250.0			
FY-1999	ITT,ROANOKE, VA	COMP/OPTION	US ARMY	01/99	07/99	536	6,847.0			
SY220 LOW PROFILE FLOT, COLLAR										
FY-1997	SEI, N.C.	COMPT/FFP	NAWC CHINA LAKE	2/97	2/98	1,500	333.0	NO	NO	N/A
Y-1997 Y-1998	SEI, N.C. SEI, N.C.	OPTION	NAWC CHINA LAKE	01/98	2/98	1,500	340.0	NO	INO	IN/A
FY-1996	SEI, N.C. SEI, N.C.	OPTION	NAWC CHINA LAKE	01/98	2/99	2,500	360.0			

### D. REMARKS

SY210 -- FY 97 total cost includes \$100K for procurement of 50 test sets.

DD Form 2446-1, JUL 87 ITEM NO. 138 PAGE NO. 8 OF 14 CLASSIFICATION: UNCLASSIFIED

FY 1998/99 BUDGET PRO	DUC.	TION	SCHED	ULE	P-1 IT	EM NO	OMEN	CLATU	JRE											DATE									
								А	VIA	TIOI	N LI	FE S	SUPI	POR	RT S	YST	EMS	S		FE	BR	UA	RY	19	97				
ITEM / MANUFACTURER/			ACCEP.	BAL.				F	ISCA	I YFA	AR 19	196											EAR ′		<u> </u>				
PROCUREMENT YEAR	S	PROC.	PRIOR	DUE		1995			.00/ (	,			DAR '	YFAR	1996	:							.END/		AR 19	997			L
THOOMEINENT TEAM	E	QTY	TO 1	AS	0	N	D	J	F	М	А	М				s	0	NI	D	_	F	М		1			Α	S	A
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	V			1 OCT	T	٧	C	N	В	R	R	Υ	N	L	G	P	T	V	c	N	В	R	R	Υ	N	L	Ğ	P	R
SY010-PRC-125																													
FY 1998		198	0	198																									198
FY 1999		197	0	197																									197
SY045-PRC-112 P3I(GPS)																													
FY 1996		500	0	500																			Α						500
SY046-PRC-112 P3I(GPS)INTER.																													
FY 1996		12	0	12											Α					1	1	1	1	2	2	2	2		0
SY048-PRC-112 UPGRADES																													
FY 1997		1838	0	1838																				Α					1838
FY 1998		1838	0	1838																									1838
SY080 - LASER EYE PROTECTION																													
FY 1997		1500	0	1500																		Α							1500
FY 1998		636	0	636																									636
FY 1999		1000	0	1000																									1000
SY100 - CWU-60/P																													
FY 1996		794	0	794														Α						198	198	199	199		0
FY 1997		1435	0	1435																	Α							120	1315
FY 1998		1060	0	1060																									1060
FY 1999		1061	0	1061																									1061
TOTAL	0	12069	0	12069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	200	200	201	201	120	11143
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	PROI	DUCTION	RATES	RCH'D	H	V	С	N	В	R	PR(	L Y DCUR	N EMEN	IT LE	⊥ G AD TIN	ME ME	ш	V	С	N	В	R	R REM	ARKS	N		G	Р	
MANUFACTURER'S NAME AND LOCATION	MINIMUM SUST.	-		D +									MIN L					MAN	U-		TOT	AL	All pr	oduct	ion sc	hedule	es		
PRC-112:MOTOROLA, ARIZONA	40	100	200		1							PI	RIOR		AF	TER	F	ACTU	RING		AFTER	₹	are s	ubjec	to co	ntract	Award	ł	
PRC-112P3I(GPS:MOTOROLA, ARIZONA	40	166	200		1						L·	1 OC	Γ	<i>·</i>	1 OCT	Γ		TIME			1 OC	г	terms	3.					
PRC-112P3I(GPS)INT; MOTOROLA, ARIZ	1	2	20		1								0		3			12			1	5	SY04	15FY	'95 J	oint R	adio w	rith U	ISAF,
CB UPGRADE: MEGGITT OXYGEN, U.K	10	150	250		1																		FY 9	6 Rad	io is c	ompe	titive, N	Navy o	only.
LASER EYE PROTECTION: KAISER, CA	25	50	400		L						L			L			L			L									
CWU-60/P: MUSTANG, WASHINGTON	50	150	300		REORI	DER (Pre	evious S	ource)															Ī						

FY 1998/99 BUDGET PRODU	JCTIC	N SCI	HEDULE	=	P-1 ITE	M NOM	ENCLAT	URE												DATE									
									A۱	/IATI	ON LI	IFE S	UPPO	ORT	SYS	STEM	S			FEE	BRU.	ARY	<mark>/ 19</mark> 9	97					
ITEM / MANUFACTURER/			ACCEP.	BAL.			FIS	SCAL Y	EAR 19	96													EAR 1						
PROCUREMENT YEAR	s	PROC.	PRIOR	DUE	19	995						CALE	NDAR Y	/EAR	1996										EAR 199	17			
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	R V			1 OCT	С	0	E	A	E	Α	Р	Α	U	Ü	U	E	С	0	Е	A	Е	Α	P	Α	Ü	Ü	U	E	T E
	V				Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	R
SY110-HEED P3I																													
FY 1996		4500	0	4500										Α										375	375	375	375	375	2625
FY 1997		1500	0	1500																		Α							1500
SY120-AISAP(ARMOR)																													
FY 1996		1000	0	1000												Α								200	200	200	200	200	0
FY 1997		865	0	865																			Α						865
FY 1998		853	0	853																									853
CV420 DATEC																							1						
SY130-PATSS FY 1996		1687	0	1687		-						-	-			Α		-	-					-	281	281	281	281	563
FY 1996		2551	0	2551												A						Α			201	201	201	201	2551
FY 1997		2551	0	2551																		A							2551
FY 1999		1863	0	1863																									1863
FT 1999		1003	U	1003																									1003
SY140-PAESS																													
FY 1996		1000	0	1000																	Α							200	800
FY 1997		650	0	650																				Α					650
SY145-EXTREME COLD WEATHER KIT																													
FY 1996		147	0	147														Α		25	25	25	25	25	22				0
SY150-MINI-RAFT BACKPACK																													
FY 1996		400	0	400												Α							1		100	100	100	100	0
FY 1997		660	0	660																Α									660
FY 1998		1475	0	1475																									1475
FY 1999		1475	0	1475																									1475
TOTAL	0	23177	0	23177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	600	978	956	956	1156	18431
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		DDUCTION	RATES	RCH'D							F	PROCU	REMEN	T LEAI	D TIM	E							REMA	ARKS					
MANUFACTURER'S NAME AND LOCATION	MINIMUM SUST.	1-8-5	MAXIMUM	D +								ADN	IIN LE	AD TIM	E			MANU-			TOTAL		ALL P	RODUC	CTION S	CHEDU	LES AR	E	
HEED P3I, US DIVERS/AQUA LUNG, CA	50	331	500									PRIOF	₹		AF	TER	FA	CTURIN	IG		AFTER		SUBJI	ECT TO	CONTR	RACT A	WARD		
AISAP TBD	50	100	250									1 OCT			1 00	т		TIME			1 OCT		TERM	IS.					
PATSS, SWITLIK, NJ	50	250	500									0				3	12				1	5							
PAESS TBD	50	100	225		INITIAL																								
EXTREME COLD WX KIT, EXPLOR.PROD.,WA	5	200	250					_																					
MINI-RAFT, PATTEN, FL	50	100	300		REORDE	R (Previous	Source)																						

FY 1998/99 BUDGET PROD	DUCTION	ON SO	CHEDU	LE	P-1 I	TEM NO	MENCI	ATUF	RE										[	DATE									
								A	AVIA	TIO	N LI	FE S	SUP	POF	RT S	SYST	ЕМ	S		FE	BR	UA	RY	′ 19	97				
ITEM / MANUFACTURER/			ACCEP.	BAL.				FIS	SCAL	YEAR	1996	6									FISC	AL Y	EAR	1997					
PROCUREMENT YEAR	s	PROC.	PRIOR	DUE		1995					С	ALEN	NDAR	YEAR	₹ 199	96	_					CAI	LEND	AR YE	AR 1	997			L
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SY175-AMELIA																													
																												ļ	
FY 1998 FY 1999		500 400	0	500 400																									500 400
SY170-NAVY COMBAT EDGE																													
FY 1966		284	0	284																			Α						284
FY 1997		219	0	219																			Α					ļ	219
FY 1998 FY 1999		430	0	430 409															-									-	430 409
1 1000		100		100																									
SY210-NVDS																													
FY-1997		248	0	248																Α						21	21	21	185
FY-1998		216	0	216																									216
FY-1999		536	0	536																								-	536
SY180-AIRCREW COOLING																			-										_
FY 1999		417	0	417																									417
SY220 LOW PROFILE FL.CLR																												-	-
FY 1997		1500	0	1500																	Α								1500
FY 1998		1465	0	1465																									1465
FY 1999		2500	0	2500																									2500
TOTAL	0	9124	0	9124	0	0	0	0		0	0	_	0	0	_		0		0	0	0	0	0	0	0	21	21		9061
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NAVY COMBAT EDGE TBD	50	75	200		1						<u> </u>	1 OC			1 00			TIME	4		1 OCT		TER	MS.					
AMELIA TBD	50	50	300		I								0			3		12			1	5							
LOW PROFILE FL. CLR., SEI., N.C.	50	220	300		INITIA	L																							
					DEOD	DED /D=	ious Co	200)											-1				1						
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DD Form 2445, JUL 87

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Previous editions are obsolete

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FY 1998/99	BU	DGE	T PF	ROD	UCI	ΓΙΟΝ	sc	HED	ULE				P-1 ITE	M NOI	MENCL	ATURE											DATE									
																	AVI	ATIO	N LIFE SU	IPPOI	RT SY	STEM	S							F	BRI	JAR	Y 19	97		
				FI	SCAL `	YEAR 1	998										FISCA	L YE	AR 1999									FIS	CAL Y	EAR :	2000					
ITEM/MANUFACTURER/	199	97						CALE	NDAR Y	′EAR	1998		_						CALE	NDAR	YEAR	1999		_					CA	LEND	AR YE	AR 20	000			L
PROCUREMENT YEAR			_	l	_					Ι.		_	_		_		_ [ _	. [			l .		_			_	l .	T _		l .					_	A
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CV040 DDC 405	<u> </u>	V	C	IN	Ь	K	K	T	IN	_	G	Р		V	C	IN	БГ	`	K I	IN	_	G	Р	'	V	C	IN	Ь	ĸ	К	T	IN	_	G	Р	
SY010-PRC-125 FY 1998	1								Α									-		50	E0	50	47				-									0
FY 1999	1			-			-		A	-							^			50	30	30	41				1	50	EO	E0.	40					0
FY 1999				1													Α	+										50	50	50	48					
SY030-SURVIVAL RADIO				1														-																		
FY-1998								Α											50	50	50	50	50													0
FY-1999																	Α	T									l	75	75	75	75	75	75	75	75	0
SY045-PRC-112 P3I (GPS)	400	400	400	400	400																															L_
FY 1996	100	100	100	100	100													-																		0
				1						l								1									l			l						
SY048-PRC-112 UPGRADES																																				
FY 1997								153	153	153	153	153	153	153	153	153	153   15	54 1																		0
FY 1998								Α											153	153	153	153	153	153	153	153	153	153	154	154						0
SY060-CSEL				1														4												-						<u> </u>
FY 1998	1							^		1						74	74 7	4	74 74	74	74	77					1									0
FY 1996				1				Α								/4 A	74 7	4	74 74	74	74	11	195	195	195	195	195	195	195	195	195	195	195	195		0
SY080-LASER EYE PROTECTION				L			L			l																										L_
FY 1997	1		125	125	125	125	125	125	125	125	125	125	125	125				_									1									0
FY 1998	1								Α								9	0	90 90	90	90	90	96	400	400	400	400	400	400	400	400	400	400			0
FY 1999				1												Α								100	100	100	100	100	100	100	100	100	100			0
SY100-CWU-60/P																		+									1									
FY 1997	120	120	120	120	120	120	120	120	120	120	115							T																		0
FY 1998	i i			Α								118	118	118	118	118	118 1	18	118 116																	0
FY 1999													Α							118	118	118	118	118	118	118	118	117								0
0)/440 LIEEDDOI																																				<u> </u>
SY110-HEEDP3I FY 1996	420	438	438	400	438	405																					1									0
FY 1996 FY 1997	438	438	438	438	438	435	200	300	300	200	300							-									1	-								0
F1 1997							300	300	300	300	300							-																		
SY120-AISAP(ARMOR)	1			1						l								1												1						l
FY 1997			50	100	100	100	100	100	100	100	115							1									1			1						0
FY 1998				Α								100	100	100	100	100	100 10	00 1	100 53																	0
0)//00 PATO0																		1																		
SY130-PATSS FY 1996	204	282		1						1								-									<b>I</b> —			1						0
FY 1996 FY 1997	201	202	212	212	212	212	212	212	212	212	212	212	212	210				+						-			1			1	-					0
FY 1998	1	1	212	212	212	A	212	212	212	212	212	212	212	219	212	212	212 2	2 3	212 212	212	212	212	212	212	210	-	1			1						0
FY 1999	1			1						l					212	212	212 2	_	-12 212	212	-12	212	212	-12	213		155	155	155	155	155	155	155	155	155	313
TOTAL	939	940	1045	###	###	992	857	1010	1010	###	###	708	708	715	583	657	657 74	_	748 748	747	747	750	871	778	785		1	845		+	573			425		
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	С	0	E	Α	E	Α	Р	Α	Ū	U	U	E	С	0	Ε	Α	E /	A	P A	Ū	U	U	Е	С	0	Е	Α	Е	Α	Р	Α	Ü	U	U	Е	
	T	V	С	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	B F	₹	R Y	N	L	G	Р	Т	V	С	N	В	R	R	Y	N	L	G	Р	

REMARKS

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FY 1998/99 BUDGET PRODUCTION SCHEDULE    FISCAL YEAR 1998   FISCAL YEAR 2000   FISCAL YEAR 1998   FISCAL YEA	FV 1008/00	BIID	GE	ГРБ	200	HC.	TION	SC	HED	III F				P-1 ITE	EM NOM	IENCL	ATURE												DATE									
Figure   Procure   Procu	11 1330/33	БОБ	OL		(0)		11014	00		OLL								A۱	/IATIC	ON LIF	FE SU	JPPOF	RT SY	STEM	IS							FI	EBR	UAR	RY 19	97		
PROCUREMENT YEAR  O N D J F M A M J J J A S O N D J J F M A M J J J A S O N D D J F M Y A W L U U B F M A M J J J A S O N D D J F M A M J J J A S O N D J J F M A M A M J J J A S O N D J J J A S O N D J J J A S O N D J J J A S O N D J J J J A S O N D J J J J J J J J J J J J J J J J J J						FISCA	AL YEAR	R 199	В									FIS	CAL \	/EAR	1999									FIS	SCAL Y	/EAR	2000					
CYLOPACESS  SYLOPACESS  PI 1989  PI 1999  PI 199	ITEM/MANUFACTURER/	19	97						CALEN	IDAR YE	EAR 1	998									CALE	NDAR	YEAF	R 1999	9						C	ALEND	AR YE	AR 2	000			L
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REMARKS

SY175 AMELIA - FY 1997-FY 1998 EACH YEAR IS A DIFFERENT COMMODITY PROCUREMENT.

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST ITEM NO 138 PAGE NO. 13 OF 14 Page of Pages

Exhibit P-21 Production Schedule 311/244 4-70

### **UNCLASSIFIED**

	REQUIREMENTS	STUDY - NOT	T-INSTALLED N	ONCONSUMAB	LES P-23B				FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLA	TURE			ı	
Other Procurement, Navy	B.A. 3 - AVIATION SUPPO	ORT EQUIPMENT			AVIATION LIFE SUPPO	ORT SYSTEMS			
ITEM/PROJECT UNIT	TOTAL IO / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY ON HAND & IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
SY010 PRC-125	1180	0	785	0	0	198	197	0	FUNDING CONSRAINTS
SY030 SURVIVIAL RADIO	20000	0	0	0	0	250	600	19150	FUNDING CONSRAINTS
SY045 PRC-112 P3I (GPS)	1000	0	500	500	0	0	0	0	READY FOR PRODUCTION
SY046 PRC-112 P3I(GSI)INTERROGATOR	12	0	0	12	0	0	0	0	READY FOR PRODUCTION
SY048 PRC-112 UPGRADES	3676	0	0	0	1838	1838	0	0	FUNDING CONSRAINTS
SY060 CSEL	9000	0	0	0	0	595	2340	6065	FUNDING CONSTRAINTS/READY FOR PRODUCTIO
SY080 LASER EYE PROTECTION	7800	0	0	0	1500	636	1000	4664	FUNDING CONSTRAINTS/READY FOR PRODUCTIO
SY100 CWU 60/P	4350	0	0	794	1435	1060	1061	0	FUNDING CONSTRAINTS
SY110 HEED P3I	6000	0	0	4500	1500	0	0	0	FUNDING CONSTRAINTS/READY FOR PRODUCTIO
SY120 AISAP (ARMOR)	3568	0	850	1000	865	853	0	0	FUNDING CONSTRAINTS/READY FOR PRODUCTIO
SY130 PATSS	8652	0	0	1687	2551	2551	1863	0	FUNDING CONSTRAINTS
SY140 PAESS	2100	0	450	1000	650	0	0	0	FUNDING CONSTRAINTS
SY145 EX COLD WEATHER SURVIVAL KIT	147	0	0	147	0	0	0	0	FUNDING CONSTRAINTS
SY150 MINI-RFT BACKPACK	5900	0	0	400	660	1475	1475	1890	FUNDING CONSTRAINTS
SY170 NAVY COMBAT EDGE	1821	0	0	284	219	430	409	479	FUNDING CONSTRAINTS/READY FOR PRODUCTIO
SY175 AMELIA	1200	0	0	0	0	500	400	300	FUNDING CONSTRAINTS/READY FOR PRODUCTION
SY180 AIRCREW COOLING	7787	0	0	0	0	0	417	7370	FUNDING CONSTRAINTS/READY FOR PRODUCTIO
SY210 NVDS	1000	0	0	0	248	216	536	0	FUNDING CONSTRAINTS/READY FOR PRODUCTIO
SY220 LOW PROFILE FLOTATION COLLAR	10700	0	0	0	1500	1465	2500	5235	FUNDING CONSTRAINTS/READY FOR PRODUCTIO
			MEMO ENTI	RIES					
COST CODE: SY010-PRC-125	COST CODE: SY030-3	SURVIVAL	COST CODE: SYO (GPS) Radio	045-PRC-112P3I	COST CODE: SY046 (GPS) INTERROGAT			COST CO	DDE: SY048-PRC-112 UPGRADES
ycoms/Squadron 1,180	Tycoms/Squadron	20,000	Tycoms/Squadron	1,000	Tycoms/Squadron		12	Tycoms/S	Squadron 3,676
COST CODE: SY060-CSEL	COST CODE: SY080-L Protection	aser Eye	COST CODE: SY1	00-CWU-60/P	COST CODE: SY110	)-HEED P3I			
ycoms/Squadron 9,000	Tycoms/Squadron	7,800	Tycoms/Squadron	4,350	Tycoms/Squadron		,000		
COST CODE: SY120-AISAP ARMOR	COST CODE: SY130-F	PATSS	COST CODE: SY	140-PAESS	COST CODE SY145 Weather Survival I			COST CO	DDE: SY 150-MINI-RAFT BACKPACK
ycoms/Squadron 3,568	Tycoms/Squadron	8,652	Tycoms/Squadron	2,100	Tycoms/Squadron		147	Tycoms/S	Squadron 5,900
COST CODE: SY170-Navy Combat Edge	COST CODE: SY175-	AMELIA	COST CODE: SY	180-AIRCREW	COST CODE SY210	- NVDS		COST CO	DDE SY220 - LPFC
Tycoms/Squadron 1,821	Tycoms/Squadron	1,200	Tycoms/Squadron	7,787	Tycoms/Squadron	1	,000	Tycoms/S	Squadron 10,700

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO 138

PAGE NO 14 OF 14

		BUDGE P-40	T ITEM JUS	STIFICATION	N SHEET		DATE: February	1997
APPROPRIATI OTHER PROCU BA-3: NAVY/A	UREMENT	, NAVY/		Т	AIRBORNE	M NOMENO MINE COUNTER 73S0 LI: 424	RMEASURES	
	1996	1997	1998	1999	2000	2001	2002	2003
QUANTITY								
COST (In Millions)								
•	\$22.7	\$13.2	\$20.2	\$28.0	\$50.9	\$63.2	\$64.6	\$59.2

### ITEM DESCRIPTION/JUSTIFICATION:

Airborne Mine Countermeasures (AMCM) Equipment is used by MH-53E helicopters to counter the threat of sea mines. The equipment is divided into two broad categories, minesweeping and minehunting; (1) minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In mine hunting the object is to actually locate and classify, mark, or neutralize the mine, usually by means of high resolution sonar. AMCM squadrons currently have capability in mechanical, magnetic, and acoustic sweeping, mine surveillance and marking. Its mission is to locate, classify and neutralize moored and bottom mines.

S0020 - The funds provided are for the modification of systems to accommodate replacement of subsystems/components because of obsolescence. ECPs are analyzed, prioritized and screened to accommodate replacement of subsystems/components.

S0060 - The funds provided was for the procurement of the A/N37U-1 Mechanical Minesweeping Systems. Thirty-four systems are to be procured at an estimated total cost of \$14M. 25 units procured in FY96 and prior. 9 units to be procured in FY97.

S0061 - The MK-105 magnetic minesweeping system Is a hydrofoil platform that carries a turbo-generator power pack and is towed by a MH-53E helicopter, allowing for safe, high speed sweeping of course magnetic influence mines at twice the output of the current MK-105. Technological upgrade increases supportability, reliability and maintainability (R&M), and increases operational effectiveness. ECPs are analyzed, prioritized and screened to accommodate replacement of subsystems/components because of obsolescence. Funding is designated in all fiscal years for this effort. Twenty units are to be procured at an estimated total cost of \$87.8M. Three units are included in the FY96 budget year, with 17 units to be procured in subsequent years.

S0062 - AN/AQS-14A - Is a digital upgrade to the electronics used in the airborne console of the Q-14 console In the fleet since 1984. This upgrade is driven by parts obsolescence and improved technology as well as performance requirements. Funding is provided in FY 97 and 98.

P-1 SHOPPING LIST

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION P-40		DATE: February 1997
OTHER PROCUREMENT, NAVY/	P-1 ITEM NOMENCLA AIRBORNE MINE COUNTERMEA SUBHEAD: 73S0 LI: 424800	

### ITEM DESCRIPTION/JUSTIFICATION: (Cont'd)

S0063 - Magnetic Cable - Is a new magnetic sweep away with an extended operational life, capable of handling twice the current while maintaining cable diameter and bend radius in order to use existing support equipment. Funding is provided to procure 25 cables for an estimated total cost of \$3M.

S0065 - Airborne Mine Neutralization System (AMNSYS) will provide neutralization of botton and moored mines using an airborne delivered, expendable mine neutralization device. Funding is provided to procure 33 systems at an estimated total cost of \$40,9M.

S0066 - C4I - The funding provided in FY98 and FY99 is to purchase upgraded NDI equipment to provide the initial C4I capability at an estimated total cost of \$4.5M.

S0068 - Funding is procurement of telecommunications equipment for the Mobile Operations Center in support of C4I capability.

P-1 SHOPPING LIST

UNCLASSIFIED

**CLASSIFICATION:** 

ITEM NO. 139 PAGE NO. 2

		WEAP P-5	ON S	SYSTEM COS	TAN	ALYSIS EXH	IBIT		DATE:	ebruary 1997
	OPRIATION/BUDGET ACTIVITY R PROCUREMENT, NAVY/			P-1 ITEM NON	IENC	LATURE/SUBI	HEAD	1		
	NAVY AVIATION SUPPORT EQ	UIPME	NT	AIRBORNE MIN	E COL	JNTERMEASUR	ES/735	60		
					TOTA	AL COST IN TH	IOUS	ANDS OF DOLL	ARS	
COST	ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997		FY 1998	F	Y 1999
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
S0020	MODIFICATION	Α		1,067		364		97		499
S0060	A/N37U-1 MECH MINESWEEPING	Α	6	3,447	9	4,520				
S0061	MK-105 UPGRADE PUBLICATIONS/TECHNICAL DATA PRODUCTION SUPPORT - TRAINING STRUTS - NON-RECURRUING STRUTS - RECURRING SUPPORT EQUIPMENT S0061 TOTAL	A	3	14,725		2,600 2,000 4,600	2	8,600 1,500 900 2,900 13,900	4	17,200 200 ( ( 2,600 ( 20,000
S0062	AN/AQS-14A KITS PUBLICATIONS/TECHNICAL DATA SPARES SUPPORT EQUIPMENT PRODUCT SUPPORT S0062 TOTAL	A	4	1,800 100 100 100 100 2,200	6	2,700 200 500 300	6	2,700 200 500 300	6	2,700
S0063	MAGNETIC CABLE SUPPORT EQUIPMENT PUBLICATIONS/TECHNICAL DATA PRODUCTION SUPPORT - TRAINING S0063 TOTAL	A					12	1,020 200 200 75 1,495	13	1,105 75 126 ( 1,306
S0066	C4I UPGRADES	Α		500				1,000		3,500
S0068	MOBILE OPERATIONS CENTER	A		773						
	TOTAL RM 2446. JUN 86			22,712 NG LIST		13,184		20,192 SSIFICATION:		28,009

**DD FORM 2446, JUN 86** 

ITEM NO. 139 PAGE NO.3

			BUDGET PRO	CUREMENT HISTO P-5/	١.					DATE February	1997
OTHER PR	IATION/BUDGET ACTIVITY ROCUREMENT, NAVY VY/AVIATION SUPPORT EQU	JIPMENT			AIRBORN	NOMENCLA E MINE RMEASURES				73 <b>S</b> 0	
COST	LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT* COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
S0060	A/N37U-1 MECH M	INESWEEPING									
	FY 1996	GSS GROTON, CT	C/FFP	NAVSEA	09/96	09/97	6	575	YES	NO	
	FY 1997	GSS GROTON, CT	OPTION	NAVSEA	11/96	11/97	9	502	YES	NO	
S0061	MK-105 UPGRADE										
	FY 1996	EDO CORP COLLEGE POINT, NY EDO CORP	SS/FFP SS/FFP	NAVSEA NAVSEA	12/95 07/96	02/98 06/98	1 2	4,908	NO NO	NO NO	
	FY 1998 FY 1999	EDO CORP EDO CORP EDO CORP	SS/FFP OPTION	NAVSEA NAVSEA NAVSEA	12/97 12/98	10/99	2 4	4,908 4,300	NO NO	NO	
	F1 1999	EDO CORP	OPTION	NAVSEA	12/90	10/00	4	4,300	NO		
S0062	AN/AQS-14A KITS										
	FY 1996	IORTHROP-GRUMMAN ANNAPOLIS, MD	SS/FFP	NAVSEA	02/97	10/97	4	450	YES	YES	02/97
		IORTHROP-GRUMMAN	_	NAVSEA	10/96	02/97	6	450	YES	NO	
	FY 1998	IORTHROP-GRUMMAN	OPTION	NAVSEA	10/97	02/98	4	450	YES	NO	
S0063	MAGNETIC CABLE	<u> </u>									
	FY 1998 FY 1999	TBD TBB	TBD OPTION	NAVSEA NAVSEA	10/97 10/98	6/98 6/99	12 13	85 85	NO NO		
REMA											

DD Form 2446, JUL 87

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UNCLASSIFICATION:

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### **UNCLASSIFIED**

	ATION/BUDGET ACTIVITY 3: NAVY/AVIATION SUPPO	RTEC	UIPME	NT		P-1 I	AIR				col	UNTE	ERM	IEAS	URE	ES													SUB	HEAD:	7350	)		D	ATE: Fe	brua	ry 19	97	
COST	ITEM/MANUFACTURER/	S E	PROC	ACCEPT	BAL					FISC	AL YE	AR		1996							F	ISCAL '	YEAR		1997							-	FISCAL	YEA	R	1998			
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S0060	A/N37U-1 MECH MINESWEEPING																			T											T								Ť
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CODE	PROCUREMENT YEAR	R	QTY				1997		Π	(	CALEN	NDAR '	YEAR	2			1998			Т		CAI	ENDA	R YEA	3	199	9		-		Т		C	ALEN	DAR Y	EAR		2000	
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ITEM NO. 139 PAGE NO. 5

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### **UNCLASSIFIED**

	TION/BUDGET ACTIVITY  B: NAVY/AVIATION SUPPO	ORT EC	QUIPME	NT		P-1 IT		MENCLA		E CO	UNT	ERM	IEASI	JRE	s													SUB	HEAD:	735	0			DATE:	ebru	ary 19	97	
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### **UNCLASSIFIED**

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### **UNCLASSIFIED**

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NAVMAT FORM 7110/4 (REVISED 11/77)

P-1 SHOPPING LIST

R = PROCUREMENT REQUEST RELEASE

ITEM NO. 139 PAGE NO. 8

A =CONTRACT AWARD

	BUD	SET ITEM JU	JSTIFICATIO	N SHEET			DATE:	
			P-40				Februa	ry 1997
APPROPRIATION/BUD	GET ACTIVITY				P-1 ITEM NOM	ENCLATURE		
Other Procuremen	ıt, Navy							
<b>BA 3 - Aviation Su</b>	pport Equip	ment			LAMPS MK	III SHIPBO	ARD EQUIPM	<b>IENT</b>
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST								
(In Millions)	\$16.1	\$14.9	<b>\$5.8</b>	\$0.0	\$2.5	\$0.0	\$0.0	\$0.0

The Lamps MK III Ship/Air Weapon System is a computer integrated ship/helicopter system that increases the effectiveness of surface combatants.

The Weapon System is a multi-appropriation funded program. The OPN-3 program funds the LAMPS shipboard equipment that is to be installed in existing ships being backfitted with the LAMPS MK III Weapon System. Procured under this line are:

- (1) AN/SRQ-4, a shipboard terminal data transmission device
- (2) HLS (Helicopter Landing System), including Recovery, Assist, Securing and Traversing (RAST) System; the Horizon Reference Set (HRS); and flight Deck Status & Signal System (FDSS)
- (3) ATS (Alternate Traversing System) replaces the RAST System as an Interim Alternate Traversing System for the SH-60B. ATS consists of a C-130 cargo winch and associated ground handling equipment for straightening and traversing the aircraft under limited sea state conditions.
- (4) Acoustic Processor DDG-993, a Sonar Signal Processing System (SSPS).

The LAMPS MK III Upgrade is comprised of the above equipment and is to be installed aboard DDG 993 USS KIDD class ships.

The AN/SRQ-4 is an electronic device which receives electronic surveillance measure, radar video and acoustic data and transmits secure voice, shipboard computer and air navigation data. HLS or ATS is used in the launching and retrieving of LAMPS MK III helicopter from LAMPS ships. The Acoustic Processor accepts acoustic data and selects, records, reproduces, processes and displays the data as controlled by the Acoustic Sensor Operator (ASO).

FY 1996 and FY 1997 supports Systems Integration, ILS, Production Engineering and installation of the LAMPS MK III Upgrade (with HLS) aboard ship hulls DDG-993 and DDG-995.

FY 1998 supports installation of the LAMPS MK III Upgrade (with ATS) aboard ship hulls DDG-994 and DDG-996.

Budget reflects the transfer of design services into the appropriate equipment P-1 line item beginning in FY 1998.

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 140 PAGE NO. 1 of 7

	WE	APONS S	YSTEN P-	COST ANALYS	SIS				DATE:	- 1007
Other I	PRIATION/BUDGET ACTIVITY  Procurement, Navy  Aviation Support Equipment		Р-	P-1 ITEM NOMEN		E/SUBHEAD SHIPBOARD	FOLLID	MENT	Fer	oruary 1997 U3S1
DA 3 -	Aviation Support Equipment			LAWIF		COST IN THOUSAN				0331
COST	ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997		FY 1998		FY 1999
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
S1005	SYSTEM INTEGRATION			782						
S1800	ILS			100						
S1830	PRODUCTION ENGINEERING/QA/TE			300						
S1900	INSTALLATION OF EQUIPMENT (FMP) DESIGN SERVICE AGENT (FMP)			14,916		14,895		4,752 1,053		
		P-1 SHC		16,098		14,895		5,805		0

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION: ITEM NO. 140 PAGE NO. 2 of 7

MOD	•	HIBIT P-3N	)	RY			DATE February	/ 1997	
APPROPRIATION/BUDGET ACTIVIT	•	ollars in Mil	lions)		P-1 ITEM N	IOMENCLA <sup>-</sup>	L TURE		
Other Procurement, Navy BA 3 - Aviation Support Equ	ipment				LAMPS N	IK III SHIP	BOARD E	QUIPMEN	Т
System/Modification	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TOTAL
LAMPS MK III UPGRADE SHIPALT (334)	14.9	14.9	5.8	0.0	0.0	0.0	0.0	0.0	35.6
TOTAL	14.9	14.9	5.8	0.0	0.0	0.0	0.0	0.0	35.6

P-1 SHOPPING LIST

ITEM NO. 140

PAGE NO. 3 of 7

CLASSIFICATION:

CLASSIFICATION: UNCLASSIFIED INDIVIDUAL MODIFICATION РЗА MODIFICATION TITLE: **LAMPS MK III UPGRADE** MODELS OF SYSTEM AFFECTED: **DDG-993 CLASS SHIPS** DESCRIPTION/JUSTIFICATION: The LAMPS MK III UPDATE SHIPALT 334, installs and integrates the LAMPS MK III weapons system on DDG-993, DDG-994, DDG-995 and DDG-996. The LAMPS MK III system is a computer integrated ship-helicopter weapons system that greatly increases the effectiveness of surface combatants and consist of the Acoustic Processor, unique LAMPS MK III data link (AN/SRQ-4), and the Heliciopter Landing System or Alternate Traversing System. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: In Production FY 1998 FY 2002 FY 1996 & Prior FY 1997 FY 1999 FY 2000 FY 2001 FY 2003 TC **TOTAL** \$ QTY \$ FINANCIAL PLAN (IN MILLIONS) RDT&E 0.0 PROCUREMENT INSTALLATION KITS 0.0 INSTALLATION KITS NONRECURRING 0.0 **EQUIPMENT** 1.0 1.0 **EQUIPMENT NONRECURRING** 3.9 3.9 **ENGINEERING CHANGE ORDERS** 0.0 DATA 0.0 TRAINING EQUIPMENT 0.0 SUPPORT EQUIPMENT 0.0 OTHER 0.0 INTERIM CONTRACTOR SUPPORT 0.0 NSTALLATION OF HARDWARE FY 1996 EQUIPMENT & PRIOR 14.9 2 5.8 0 0 0 4 35.6 14.9 **FY 1997 EQUIPMENT FY 1998 EQUIPMENT** 0 0.0 **FY 1999 EQUIPMENT** 0 0.0 **FY 2000 EQUIPMENT** 0 0.0 **FY 2001 EQUIPMENT** 0 0.0 **FY 2002 EQUIPMENT** 0.0 0 **FY 2003 EQUIPMENT** 0 0.0 TO COMPLETE 0 0.0 TOTAL INSTALLATION COST 14.9 14.9 2 5.8 0 0.0 0.0 0 0.0 0.0 0 0.0 0.0 35.6 TOTAL PROCUREMENT COST 19.8 14.9 5.8 0.0 0.0 0.0 0.0 0.0 0 0.0 40.5 TOTAL COST 19.8 0.0 0.0 0.0 0.0 0.0 40.5 14.9 5.8 0.0 METHOD OF IMPLEMENTATION: ROH/AIT ADMINISTRATIVE LEADTIME: Various PRODUCTION LEADTIME: Various CONTRACT DATE: FY 1997 N/A FY 1998: N/A FY 1999: N/A FY 1997 PRODUCTION DELIVER DATE: N/A FY 1998: FY 1999: N/A N/A Note: FY 1997 and prior installations include the Helicopter Landing System in the LAMPS MK III Upgrade. FY 1998 installations include the Alternate Traversing System in the LAMPS MK III Upgrade. P-3A

DOIFICATION TITLE:   LAMPS MK   II UPGRADE	CLASSIFICATION:	UNCLAS	SIFIE	D																												
INSTALLATION SCHEDULE    PUT ===>	P3A (Continued)									INDI	/IDU	AL M	ODIF	ICAT	ON (	Conti	nued	)														
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FY 1999	FY 1997	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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FY 2001		0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2002 FY 2003 FY 2003 FY 2004 FY 2005 FY 2005 FY 2005 FY 2005 FY 2006 FY 2006 FY 2006 FY 2006 FY 2007 FY 2008 FY 208																				0												0
FY 2003 TO COMPLETE    O		0					0			0	0	0		0	0		0			0				0	0	0	0	0			0	0
TO COMPLETE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FY 2003	0		0						0	0	0						0		0	0			0	0	0	0	0	0		0	0
TOTAL INPUT 4  UTPUT => FY 1996	TO COMPLETE	0		0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
UTPUT ==>																																
Section   Sect																													TOT	AL IN	PUT	4
Section   Sect																																
FY 1996 & Prior	OUTPUT ==>	FY 1996		FY 1	1997			FY 1	1998			FY '	1999			FY 2	2000			FY 2	2001			FY 2	002			FY 2	003		TC	
FY 1997		& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		TOTAL
FY 1998	FY 1996 & Prior	0	0	0	1	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
FY 1999	FY 1997	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2000	FY 1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2001	FY 1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2002 FY 2003 TO COMPLETE  O  O  O  O  O  O  O  O  O  O  O  O  O	FY 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2003 TO COMPLETE  0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FY 2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2003 TO COMPLETE  0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FY 2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TO COMPLETE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FY 2003	0		0		0		0		0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL OUTPUT 4	TO COMPLETE	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																														,		
р. 3 Δ																												TOT	AL O	UTPU	Т	4
P.3Δ																																
																																P-3A

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CLASSIFICATION: UNCLASSIFIED

### **UNCLASSIFIED**

TIME PHASED REQUIREMENT SC P-23	HEDULE					Oth	er P		ırem	ent,	Nav					OMEN						C. DA				
		_				BA			on Su	ıppo			ent	LAM		K III S	SHIPE	OAR			ENT	Fe		ry 19	97	
		1	FY 199	9 <mark>6</mark> 3	4	1	FY 199	9 <b>7</b> 3	4	1	FY 199	9 <del>8</del> 3	4	1	FY 199	99	4	1	FY 200	3	4	1	FY 200	3	4	LATER
		l '		3	4	l '	2	3	4	'		3	4	'	_	3	-	l '		3	-	'		3	-	
ACTIVE FORCE INVENTORY	(P)			1					1		2															
SCHOOLS/OTHER TRAINING	(P) (P)																									
OTHER	(D)																									
OTHER	(P)																									
TOTAL PHASED REQ	(C)	0	0	1	1	1	1	1	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
ASSETS ON HAND	(BP)																									
DELIVERY FY 96 & PRIOR	(P)	3	1																							
FY 96 & PRIOR	(P)																									
FY 97	(P)																									
FY 98	(P)																									
FY 99	(P)																									
	(P)																									
	(P)																									
	(P)																									
	(P)																									
	(P)																									
TOTAL ASSETS	(C)	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
QTY OVER (+) OR SHORT (-)		3	4	3	3	3	3	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. REMARKS		1		E.		RQMT	(QTY)			1	TOTAL	_ RQM	Г	INSTAL	LED		HAND			99 & PR			UNFU	NDED		
LAMPS MK III comprised of the following components	s:			1.	APPN	I -	OPN					4		0		AS OF	0	96	UNE	DELIVER 4	RED			0		-
AN/SRQ-4, HLS and Acoustic Processor				2.	APPN	l -																				
				3.	PROC	CUREME	ENT LE	ADTIME				ADMIN	1	Var	INITIA	L ORDE	R	Var	<u> </u>		REOR	DER		Var		•

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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# **UNCLASSIFIED**

						SED REQUIREM ENT SHEET-INS P-23A							DATE	February 199	7
APPROPRIATI Other Proc	uremen	ıt, Navy						P-1 ITEM NOME	NCLATURE	E/PROJECT UNIT	-				
BA 3 - Avia	ation Su	pport Equip 2ND QTR		3RD QTR		4TH QTR		LAMPS MK III SH 1ST QTR	HIPBOARD	2ND QTR		3RD QTR		4TH QTR	
ISIQIK		ZNDQIK		SKD QTK		41H QIK		131 QIK		ZIND QTK		SKD QTK		41H QIK	
E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY
			F	Y 1996							FY 1	997			
				DDG-995	1									DDG-993	1
			F	Y 1998							FY 1	999			
				DDG-994	1										
				DDG-996	1										
							P-1 SF	 				CLASSIFICA	TION:		

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		<b>BUDGET IT</b>	EM JUSTIFI	<b>CATION SH</b>	HEET		DATE:	
		P-40					Feb 1997	•
APPROPRIATION/B	UDGET ACTIVIT	Υ:			P-1 ITEM NOI	MENCLATURE		
Other Procurement	, <mark>N</mark> avy				<b>REWSON PH</b>	OTOGRAPHIC	EQUIPMENT	
<b>BA3-AVIATIONSU</b>	JPPORT EQUIPM	MENT						
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	0.6	0.9	0.7	1.3	1.7	1.7	1.8	1.8

This line procures photographic film processing, printing, and film interpretation equipment for the exclusive support of the on-going intelligence mission of CV/CVNs. Specifically, this equipment primarily supports the mission of the F-14 borne Tactical Airborne Reconnaissance Pod System (TARPS) as well as related Carrier Intelligence Center (CVIC) photographic requirements, and the hand held intelligence photography collected by the embarked Airwing (nine squadrons) and deployed Carrier Battle Group (CVBG). The CVBG normally consists of the CV/CVN and its support ships.

Also, this equipment supports the photographic intelligence that is disseminated from internal and National sources to the Airwing (CVW) and CVBG.

TARPS imagery is often provided to in-theater NATO forces as well. TARPS remains the only tactical aerial photographic reconnaissance asset in theater and is directly controlled by the Theater Commander.

This line also procures digital equipment for the exploitation, interpretation and printing of digital imagery downlinked from TARPS. The digital suites can be expanded in the future to be used for exploitation of video imagery from tactical and strategic reconnaissance systems (including FLIR).

The FY96-03 funds are continuing to procure the needed inventory objective of subject equipments. They are also providing new equipment for scanning and digital dissemination of TARPS film imagery.

P-1 SHOPPING LIST

**CLASSIFICATION:** 

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	WEAPONS SYST	EM COST A	NALYS	sis					DATE:	fEB 1997		
Other F	PRIATION/BUDGET ACTIVITY: Procurement, Navy AVIATION SUPPORT EQUIPMENT			P-1 ITEM NOMENCLATURE/SUBHEAD REWSON PHOTOGRAPHIC EQUIPMENT						Y3S4		
				TOTAL COST IN THOUSANDS OF DOLLARS								
COST	ELEMENT OF COST	IDENT CODE	FY 1996			FY 1997		FY 1998	FY 1999			
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST		
S4019 S4830	MISC SMALL EQUIPMENT & ECPS PRODUCTION ENGINEERING &	А		228		0		79		93		
S4XXX	LOGISTICS DIGITAL BASE STATION	A		365 0	4	315 600	3	149 465	6	261 960		
		TOTAL		593		915		693		1,314		

**DD FORM 2446, JUN 86** 

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### **UNCLASSIFIED**

B. APPROPRIATION/BUDGET. Other Procurement, N					M NOMENCLA	ATURE		SUBHEAD	FEB 19 Y3S4	
BA 3 - AVIATION SUPI				KEWSON	HOTOGRAFII	IIC EQUIFMEN	•		1004	
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABL
S4XXX DIGITAL BASE STATION										
FY 1997	TBD	C/MIPR/FP	NRAD	Jun-97	Sep-97	4	150.0	YES	NO	N/A
FY 1998 FY 1999	TBD TBD	C/MIPR/FP C/MIPR/FP	NRAD NRAD	Jun-98 Jun-99	Sep-98 Sep-99	3 6	155.0 160.0	YES YES	NO NO	N/A N/A
. REMARKS										•

DD Form 2446-1, JUL 87 ITEM NO. 141 PAGE NO. 3 OF 3 CLASSIFICATION:

	BUDO	GET ITEM JU	JSTIFICATIO	N SHEET			DATE:				
			P-40				Februa	ry 1997			
APPROPRIATION/BUD	GET ACTIVITY				P-1 ITEM NOMENCLATURE						
Other Procureme	nt, Navy										
BA 3 - Aviation St	u <mark>pport Equip</mark>	ment			STOCK SURVEILLANCE EQUIPMENT						
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003			
QUANTITY											
COST (In Millions)	\$1.5	<b>\$1.6</b>	\$1.6	\$1.8	\$1.8	\$1.8	\$1.9	\$1.9			

PROGRAM DESCRIPTION/JUSTIFICATION/EXECUTION. The NAVAIRSYSCOM (AIR-3.1.1) Stock Surveillance Equipment (SRV) program furnishes varied specialized and ancillary test equipment/systems for both air-to-air and air-to-ground missiles, ordnance, ammunition and their related components. The SRV Program directly supports the System Effectiveness Engineering (SEE) Program. This helps to provide accurate indicators for Fleet readiness in regard to safety, serviceability, reliability, availability, quality and mission effectiveness. The following SEE activities participate in the SRV Program: NAVSURWARCEN Crane Div., NAVSURWARCEN Indian Head Div., WPNSTA Yorktown, and NWADiv. Corona.

NAVSURWARCEN Crane and Indian Head Divisions are responsible for procurement of missile and ordnance energetic test equipment. WPNSTA Yorktown is responsible for procurement of missile electronic component test equipment and analysis equipment. NWAD Corona is responsible for procurement of equipment to analyze missile firing telemetry data.

AIR LAUNCHED GUIDED MISSILES - All-Up-Round (AUR) missiles presently supported are: PHOENIX, SIDEWINDER, SPARROW, AMRAAM, HARPOON, HARM, HELLFIRE, MAVERICK, SIDEARM, PAVEWAY III, WALLEYE, and their related equipment.

AIRBORNE ORDNANCE/AMMUNITION/SPECIAL STORES - Weapons/Stores presently supported are: Aircrew escape propulsion systems, cartridges, explosive ordnance system devices, cartridge actuated devices, common aircrew ejection set, gun ammunition/fuzing systems, pyrotechnics, aircraft rockets, general purpose bombs, cluster weapons, and their related components.

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**CLASSIFICATION:** 

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### **UNCLASSIFIED** CLASSIFICATION:

		WEAPONS		M COST ANALYS	SIS				DATE:	4007
APPROP	RIATION/BUDGET ACTIVITY		Р	P-1 ITEM NOMENCLA	ATURE/SU	RHEAD			Feb	oruary 1997
	Procurement, Navy			THEM NOMENOE	(TORE/OO	Briend				
	Aviation Support Equipment			S	PMENT		43S2			
				•	TOTAL CO	OST IN THOUSANDS C	F DOLLA	RS		
COST	ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997		FY 1998		FY 1999
0022		3322	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
S2005	Air-Launched Guided Missiles			700		931		1,011		1,172
S2006	Air-Launched Ordnance			778		627		575		670
	GRAND TOTAL			1,478		1,558		1,586		1,842

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# **UNCLASSIFIED**

nt CONTRACTOR				M NOMENCL	<b>ATURF</b>		CHBREVD		ary 1997
CONTRACTOR	T		STOCK SURVEILLANCE EQUIPMENT  DATE OF					UBHEAD 43S	
AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
TBD	C/FP	CRANE	Jun-96	May-97	1	130.0	Yes	N/A	
TBD	C/FP	INDIAN HEAD	Jun-97	May-98	1	130.0	Yes	N/A	
TBD	C/FP	INDIAN HEAD	Jun-98	May-99	1	280.0	Yes	N/A	
TBD	C/FP	CRANE	Jun-96	May-97	1	235.0	Yes	N/A	
COMARCO Bloomfield, IN	C/FP	CRANE	Jun-97	May-98	1	231.0	No	N/A	
TBD	C/FP	CRANE	Jun-97	May-98	1	126.0	Yes	N/A	
TBD	C/FP	INDIAN HEAD	Jun-99	Jul-00	1	165.0	Yes	N/A	
	TBD  TBD  TBD  COMARCO Bloomfield, IN  TBD	TBD C/FP  TBD C/FP  TBD C/FP  COMARCO Bloomfield, IN  TBD C/FP	TBD C/FP INDIAN HEAD  TBD C/FP INDIAN HEAD  TBD C/FP CRANE  COMARCO C/FP CRANE  Bloomfield, IN  TBD C/FP CRANE	TBD C/FP INDIAN HEAD Jun-97  TBD C/FP INDIAN HEAD Jun-98  TBD C/FP CRANE Jun-96  COMARCO Bloomfield, IN  TBD C/FP CRANE Jun-97	TBD C/FP INDIAN HEAD Jun-97 May-98  TBD C/FP INDIAN HEAD Jun-98 May-99  TBD C/FP CRANE Jun-96 May-97  COMARCO Bloomfield, IN  TBD C/FP CRANE Jun-97 May-98	TBD         C/FP         INDIAN HEAD         Jun-97         May-98         1           TBD         C/FP         INDIAN HEAD         Jun-98         May-99         1           TBD         C/FP         CRANE         Jun-96         May-97         1           COMARCO Bloomfield, IN         C/FP         CRANE         Jun-97         May-98         1           TBD         C/FP         CRANE         Jun-97         May-98         1	TBD C/FP CRANE Jun-96 May-97 1 130.0  TBD C/FP INDIAN HEAD Jun-97 May-98 1 130.0  TBD C/FP INDIAN HEAD Jun-98 May-99 1 280.0  TBD C/FP CRANE Jun-96 May-97 1 235.0  COMARCO Bloomfield, IN  TBD C/FP CRANE Jun-97 May-98 1 231.0	TBD C/FP CRANE Jun-96 May-97 1 130.0 Yes  TBD C/FP INDIAN HEAD Jun-97 May-98 1 130.0 Yes  TBD C/FP INDIAN HEAD Jun-98 May-99 1 280.0 Yes  TBD C/FP CRANE Jun-96 May-97 1 235.0 Yes  COMARCO Bloomfield, IN  TBD C/FP CRANE Jun-97 May-98 1 231.0 No	TBD C/FP CRANE Jun-96 May-97 1 130.0 Yes N/A  TBD C/FP INDIAN HEAD Jun-97 May-98 1 130.0 Yes N/A  TBD C/FP INDIAN HEAD Jun-98 May-99 1 280.0 Yes N/A  TBD C/FP CRANE Jun-96 May-97 1 235.0 Yes N/A  COMARCO Bloomfield, IN  TBD C/FP CRANE Jun-97 May-98 1 231.0 No N/A  TBD C/FP CRANE Jun-97 May-98 1 126.0 Yes N/A

D. REMARKS

ONLY EQUIPMENT PROCUREMENTS OVER \$100k ARE IDENTIFIED.

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	BUDO	GET ITEM JU	JSTIFICATIO	N SHEET			DATE:			
			P-40				Februa	ry 1997		
APPROPRIATION/BUD	GET ACTIVITY				P-1 ITEM NOMENCLATURE					
Other Procuremen	nt, Navy									
<b>BA3-AVIATIONS</b>		OTHER AVIATION SUPPORT EQUIPMENT								
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003		
QUANTITY										
COST										
(In Millions)	<b>\$13.0</b>	<b>\$7.7</b>	<b>\$6.2</b>	\$6.4	<b>\$6.5</b>	\$4.6	\$4.7	\$4.8		

The following items are funded in this line:

- 1. Tactical Aircraft Mission Planning Systems (TAMPS) FY 1996 only
- 2. Industrial Facilities Equipment
- 3. Capital Automated Data Processing Equipment (ADPE)
- 4. NAVAIR Support Equipment (ADPE) FY 1996 only
- 1. Tactical Aircraft Mission Planning System (TAMPS)

\*In FY 1997 and beyond TAMPS is budgeted in OPN BA 2 under P-1 line item 93, TAC A/C MISSION PLANNING SYS (TAMPS). Detailed justification for the TAMPS is provided in the OPN BA 2 backup book.

2. Industrial Facilities Equipment

This item supports funding of capital costs associated with the Navy's government-owned but contractor-operated Deep Water Test Facility at San Clemente Island.

3. Capital ADPE

Procurements supporting the NAVAIR organization (NALDA and I/ETMS), which were formerly budgeted and managed under the Computer Acquisition Program (CAP) in FY 1995 and prior is now directly controlled by NAVAIR, effective FY 1996. Details regarding these NAVAIR Capital ADPE projects are provided below:

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CLASSIFICATION:

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	BUDO	BET ITEM JU	JSTIFICATIO	N SHEET			DATE:	
			P-40				Februa	ry 1997
APPROPRIATION/BUDO	GET ACTIVITY				P-1 ITEM NOM	ENCLATURE		
<b>Other Procuremen</b>	t, Navy							
<b>BA3-AVIATIONS</b>	SUPPORT EC	QUIPMENT			OTHER AVI	<b>ATION SUP</b>	PORT EQUI	PMENT
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST								
(In Millions)	\$13.0	<b>\$7.7</b>	\$6.2	\$6.4	\$6.5	\$4.6	\$4.7	\$4.8

### 3a. Naval Aviation Logistics Data Analysis (NALDA):

NAVAIR was directed by the CNO to extend NALDA to additional USN and USMC activities, principally the Fleet and to all NAVAIR Team sites. Sufficient automated data processing equipment (ADPE) and accessibility to the NALDA data base is presently not available at most Navy and Marine Corps Fleet level maintenance and repair facilities. The ADPE is necessary to eliminate the current on-going degradation of their capability to make informed decisions affecting material readiness, safety, and resource allocations.

NALDA is the aviation logistics and engineering communities corporate integrated logistics support (ILS) data system to accommodate logistics data reporting requirements and performance of critical mission analyses to achieve Affordable Readiness and Total Cost of Ownership decision-making. NALDA provides the following capabilities: (1) a cost-effective, integrated aviation maintenance/logistics data bank; (2) standardized procedures for data access and data analysis techniques; (3) aviation hardware/software/firmware configuration management/tracking capabilities; (4) consolidation of redundant autonomous systems into a single system; (5) standardized, aviation-wide MIS Support; (6) a Logistics Support Analysis Record (LSAR) data system; (7) an accurate configuration management and serial number tracking data system implemented using the CMIS software for aviation weapons systems - the fleet's number one priority to improve readiness and safety of flight; (8) more timely (daily) receipt of fleet AV-3M and configuration data; (9) ability to access centralized fleet-wide, near real-time, operational readiness data from NALDA in accordance with DOD data security regulation; (10) Logistics Management Decision Support System (LMDSS); (11) Technical Data interfaces to JEDMICS and TMPODS; (12) Aircraft Inventory and Readiness Reporting System (AIRRS); (13) Contractor Maintenance and CITIS interfaces; (14) Training and Manpower Logistics data; (15) Total Cost of Ownership; (16) Infrastructure to deploy JLSC MM and JCALS standard systems to the TEAM and Fleet; and (17) Other ILS elements. Information available from the NALDA data bank consists of aviation maintenance, engineering, operational readiness, safety, configuration management, parts life tracking, and other critical logistics data for all naval aircraft, engines, components, support equipment, airborne weapons, and other aviation weapons equipment.

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CLASSIFICATION:

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	BUD	SET ITEM JU	JSTIFICATIO	N SHEET			DATE:	
			P-40				Februa	ry 1997
APPROPRIATION/BUD	GET ACTIVITY				P-1 ITEM NOM	IENCLATURE		
Other Procuremen	nt, Navy							
<b>BA3-AVIATIONS</b>	SUPPORT E	QUIPMENT			OTHER AV	<b>ATION SUP</b>	<b>PORT EQUI</b>	PMENT
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST								
(In Millions)	\$13.0	<b>\$7.7</b>	<b>\$6.2</b>	\$6.4	<b>\$6.5</b>	\$4.6	\$4.7	\$4.8

NALDA - con't

DD Form 2454, JUN 86

Funding budgeted in FY 1998 and FY 1999 is required to provide the additional hardware, networking, systems and applications software and infrastructure necessary to deploy Total Cost of Ownership and affordable Readiness functional capabilities described above to additional TEAM/Fleet activities. NALDA information and tools will enable significant cost reductions in naval aviation logistics, achieving more affordable readiness, eliminating redundant logistics information systems, improving aircraft configuration management and safety of flight, and permitting improved aircraft inventory and life extension management needed to permit recapitalization and modernization.

Data reporting requirements for the NALDA system are directed by OPNAV and NAVAIR as defined primarily by the Naval Aviation Maintenance Program (NAMP) manual. Users of the NALDA system are located at all TEAM/Fleet, TYCOMS, Wings, Intermediate Maintenance Activities, and other aviation logistics activities. The NALDA system architecture is compliant with the DISA TAFIM and Common Operating Environment (COE).

### 3b. Interactive/Electronic Technical Manual System (I/ETMS)

I/ETMS is a strategy which supports the Automated Library Technical Manual System (ALTMS) and Automated Technical Information System (ATIS), NAVAIR application ATIS (AIR) programs.

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UNCLASSIFIED **CLASSIFICATION:** 

	BUDO	SET ITEM JU	JSTIFICATIO	N SHEET		DATE:				
			P-40				Februa	ry 1997		
APPROPRIATION/BUD	GET ACTIVITY				P-1 ITEM NOM	ENCLATURE				
Other Procuremer										
<b>BA3-AVIATIONS</b>		OTHER AVIATION SUPPORT EQUIPMENT								
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003		
QUANTITY										
COST										
(In Millions)	\$13.0   \$7.7   \$6.2   \$6.4   \$6.5   \$4.6   \$4.7   \$4.8									

### I/ETMS - con't

DD Form 2454, JUN 86

The objective of the I/ETMS strategy is to provide the capability to receive and use digital technical information in the support of developing and fielding Naval Aviation Weapon Systems and Equipment. I/ETMS is the result of a DOD/DON CALS implementation requirement to eliminate paper technical manuals and provide electronic technical manuals to the aviation maintenance community. The I/ETMS configuration consists of the hardware, software, and network interfaces to support fleet maintenance activity to receive, store, and use electronically presented maintenance technical information.

ATIS (AIR) is designed to develop and implement at intermediate level maintenance activities an automated system for the distribution, delivery, and display of digital technical data, which will augment the capability provided by ALTMS. ATIS (AIR) is intended to satisfy requirements for value-added digital delivery, improved maintenance and supply functionality, and provide interfaces to existing fleet information systems (ISs).

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**CLASSIFICATION:** 

	BUD	GET ITEM J	USTIFICATION	ON SHEET			DATE:	
			P-40				Februa	ry 1997
APPROPRIATION/BUD	GET ACTIVITY				P-1 ITEM NOM	ENCLATURE	•	-
Other Procuremen	nt, Navy							
<b>BA3-AVIATIONS</b>	SUPPORT E	QUIPMENT			OTHER AV	<b>ATION SUP</b>	PORT EQUI	PMENT
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
					1			
QUANTITY								
COST			4.0					
(In Millions)	\$13.0	<b>\$7.7</b>	<b>\$6.2</b>	<b>\$6.4</b>	<b>\$6.5</b>	<b>\$4.6</b>	\$4.7	\$4.8

### 4. NAVAIR Support Equipment

Includes investment equipment used in the operation of NAVAIR Headquarters, and NAVAIR Field Activities such as the Naval Air Warfare Center, Training Systems Division, Orlando, FL, the Pacific Missile Range Facilities (PMRF), Hawaii, and the Naval Air Technical Services Facility (NATSF), Philadelphia. Support equipment is also provided for the Naval Air Warfare Center, Weapon Division, Point Mugu, CA and the Naval Air Warfare Center, Aircraft Division, Patuxent River, MD. This equipment is evaluated on a cost-effective (lease vs. purchase) basis. The FY 1996 program (cost code S7020, OIS Headquarters SE) provides for the procurement of necessary upgrades to the existing NAVAIR Headquarters Network (NHN). NHN provides an integrated data communications network that extends the capabilities of the Naval Air Systems Command, its Program Executive Offices, and Naval Air Warfare Center Headquarters to support management of aviation design, development, engineering, logistics support, contract and budgetary data.

P-1 SHOPPING LIST

CLASSIFICATION:

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# **UNCLASSIFIED**

	WE	APONS	SYSTE	M COST ANALY	SIS				DATE:	oruary 1997		
	PRIATION/BUDGET ACTIVITY Procurement, Navy			P-1 ITEM NOMENO	CLATURE	E/SUBHEAD			rei	Jidary 1997		
	AVIATION SUPPORT EQUIPMENT			OTHER AVIATION SUPPORT EQUIPMENT 43S7/U3S7/Y3S7								
					TOTAL (	COST IN THOUSAN	DS OF D	OCLLARS				
COST CODE	ELEMENT OF COST	IDENT CODE		FY 1996		FY 1997		FY 1998		FY 1999		
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST		
	PEO (T) TAMPS			4,789		*		*		*		
S7030	PEO (A) INDUSTRIAL FAC. EQUIP.			174		189		187		233		
S7040 S7060	CAPITAL ADPE NALDA I/ETMS			5,067 2,185		4,648 2,884		5,978 0		6,182 0		
S7020	OIS Headquarters SE			805		0		0		0		
	997 AND BEYOND TAMPS IS BUDGETED IN O ED JUSTIFICATION FOR THE TAMPS PROGRA						G SYS (T	<sup>-</sup> AMPS)				
	1 2446, JUN 86		PPING L	13,020		7,721		6,165 CLASSIFICATION:		6,415		

ITEM NO. 143 PAGE NO. 6 0F 7

# **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE February 1997		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT									4387/U387/Y387		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE	
S7040 - NALDA FY 1996 FY 1997 FY 1998 FY 1999	FDSC* FDSC* FDSC*		NAVSUP/SPCC NAVSUP/SPCC NAVSUP/SPCC	1/96 1/97 1/98 1/99	7/96 7/97 7/98 7/99	14** 12** 14** 14**	358.3 395.6 428.8 443.8	YES YES YES YES	NO NO NO	N/A N/A N/A	

### D. REMARKS

S7040: \* FDSC is the Federal Data Systems Corporation (FDSC) NAVSUP SPLICE contract #N66032-D-84-0002.

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<sup>\*\*</sup> Quantities reflect complete systems comprised of several components.